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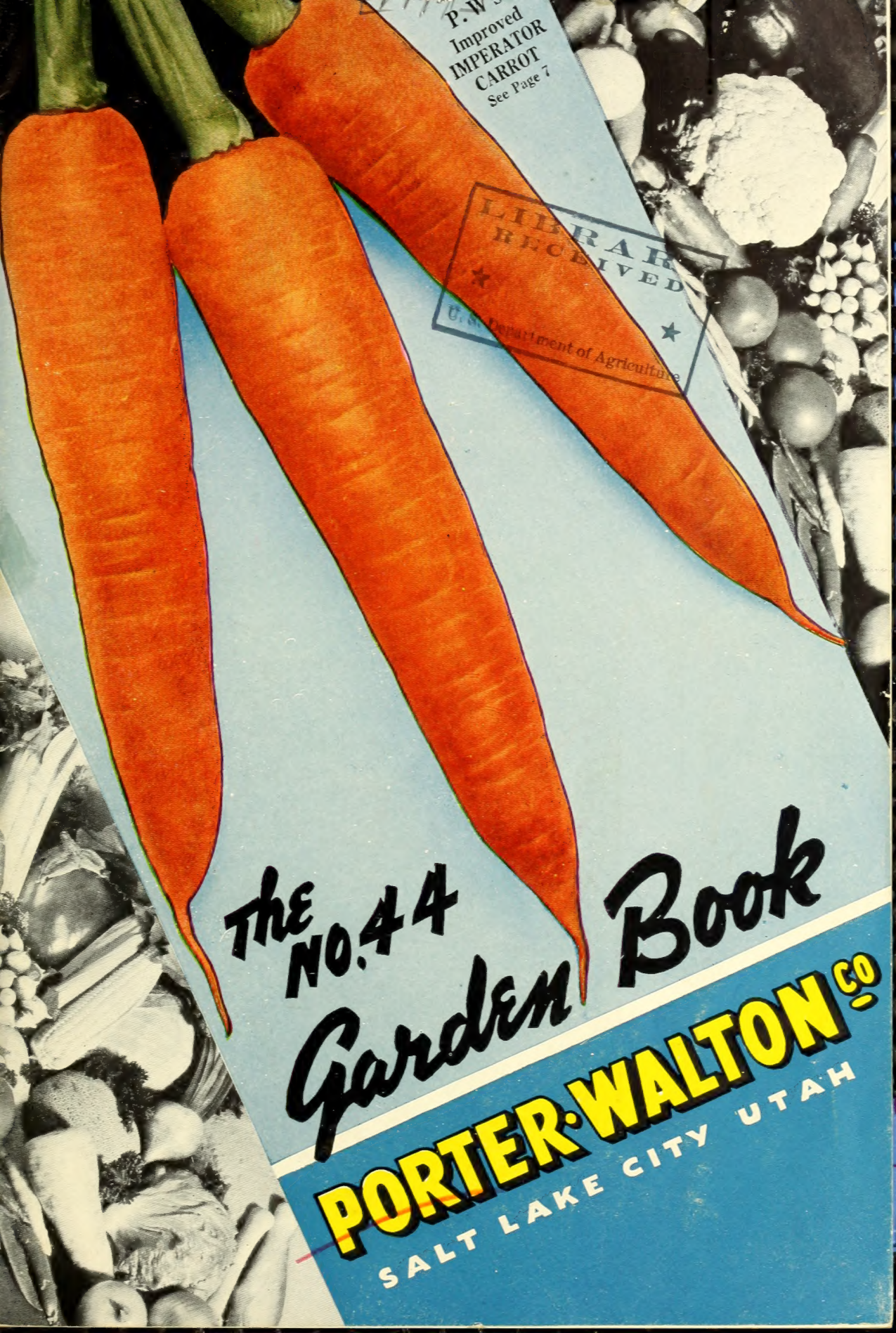

LIBRARY
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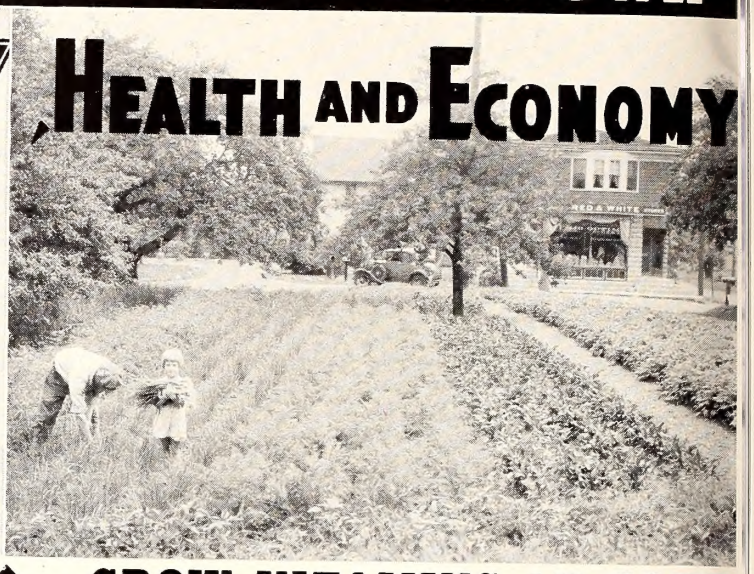
THE NO. 44 Garden Book

PORTER-WALTON CO

SALT LAKE CITY UTAH

MAKE a WAR GARDEN of Your Own

FOR VICTORY, HEALTH AND ECONOMY



LOOK FOR THE P.W. DISPLAY at your store

GROW VITAMINS AT YOUR KITCHEN DOOR

GARDEN V FOR VICTORY

Make Your Garden Dreams Come True

Select Your **SEEDS** from **P.-W.'s Display** at Your "Store Around the Corner"

FRESH DEPENDABLE

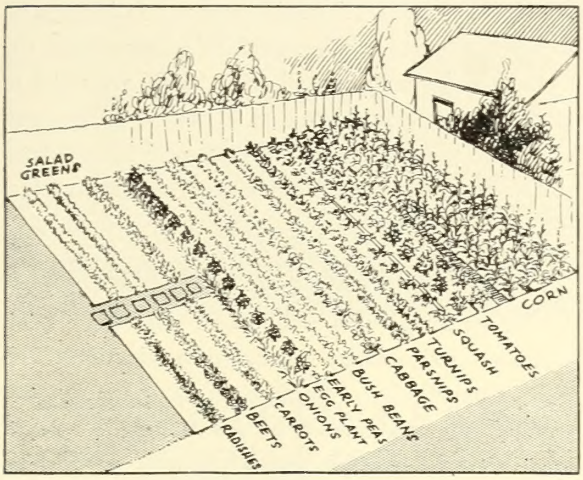
INSIST on **Porter-Walton's** PURE-BRED STRAINS

ACCEPT NO SUBSTITUTE

If not at Your Dealer's SEND DIRECT

A Typical Display of P.W.'s Seeds At Your Local Merchant's Store

WANTED 22,000,000 VICTORY GARDENS



Suggestive Lay-out for Family Garden
Plan Well for a Balanced Diet

IN 1943 NEARLY HALF OF THE NATION'S VEGETABLE PRODUCE CAME FROM VICTORY GARDENS

Secretary of Agriculture Wickard expressed his appreciation of this fact, saying, "I am happy to pay my respects to the nation's Victory Gardeners and to commend them one and all, for the fine record they have made. In achieving that record they have served their country well. . . .

"To all Victory Gardeners I extend my best wishes for bigger and better food production, and for the preservation of more garden products in 1944."

OUR SOLDIERS AND ALLIES RECEIVE BENEFITS

An 8 million ton Victory garden harvest made possible by the concentrated civilian effort, released much of the commercial crop for lend-lease and assured ample food for our own Army.

GOVERNMENT PROMISES MORE VICTORY GARDEN NECESSITIES

Because of the importance of Victory Garden crops, W.P.B. allotments of fertilizer, insecticides, insecticide applicators and garden tools have been made. If you cannot secure your requirements from your local dealer, write us direct. Also, through other channels, pressure cookers and other canning supplies will be made available. We suggest early inquiry for these articles. We do not expect, however, any serious shortages of hardy vigorous "Mountain Grown Seeds."

UNCLE SAM ASKS 10% MORE VICTORY GARDENS AND 25% INCREASE IN TOTAL PRODUCTION

With the advantage of a year's experience, 1944 Victory Gardeners will be able to increase production either through more intensified gardening practices or by using a larger area.

INCREASE STORAGE OF HEALTHFUL PRODUCE

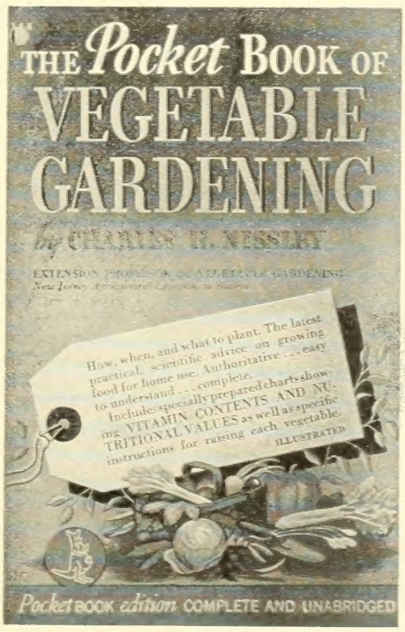
The U.S.D.A. Victory Garden program for this year places special emphasis on the storage of more vegetables. Grow sufficient quantities of root crops to allow plenty for storage in the pit; and enough tomatoes, corn, peas, beans and spinach for canning. More vitamins are retained in vegetables that are stored or canned when freshly gathered from the garden.

EVERY AMERICAN HOME SHOULD HAVE A VEGETABLE GARDEN

Your own garden will bring you many advantages:

Economy—Inexpensive food;
Health—Fresher vegetables are more appetizing and contain more vitamins;
Recreation—Exercise in the fresh air and sunshine and contact with nature and the soil.

Today more than ever before the good health of every American is essential.



THE POCKET BOOK OF VEGETABLE GARDENING

will help you in planning. It tells how, when and what to plant. The latest practical, scientific advice on growing and storing food for home use.

Authoritative . . . easy to understand . . . complete.

This book, containing 256 pages, is a complete and up-to-date guide to successful vegetable gardening.

Price only
25c

APPRECIATION

To all of our customers of last year we extend our sincere appreciation and thanks for your loyalty and patience under the very trying conditions which prevailed. Your very apparent understanding of the situation and willingness to cooperate inspired in us an even greater desire to render better service.

O.P.A. SETS VEGETABLE CEILING PRICES ON FOURTEEN TYPES

This new price ceiling order covers about 80 varieties offered in this catalog. Vegetable types affected by the regulation include beans, peas, sweet corn, beets, cabbage, carrots, cauliflower, Swiss chard, cucumber, lettuce, mangel, onion, rutabaga, and turnip.

Limited space doesn't permit printing all of the maximum prices here. However, **our prices (except in a few instances) are well below the ceilings established by O.P.A.**

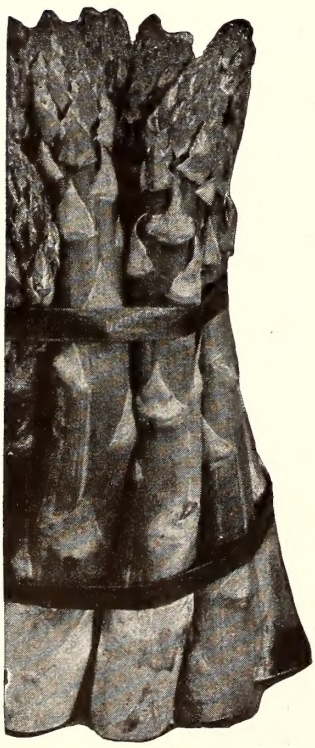
IMPROVED FACILITIES

At our retail store and at our seed warehouse during the past season, changes have been made which we believe will enable our still reduced staff to serve you more efficiently. We invite your patronage as before and will strive to fill your orders as quickly and completely as is possible. Your cooperation in ordering early will greatly assist us and at the same time insure your own greater satisfaction.

PRICES SUBJECT TO CHANGE

Our prices at this publication date have been increased only where increased production costs have compelled it. Because of uncertainty concerning the replacement of our present stocks of seed, and the possible greater increase in cost of such replacement, we are compelled to advise you that all prices quoted in this catalog (except those now at ceiling) are subject to change without notice.

P.-W.'s VEGETABLE SEEDS



New Mary Washington

ASPARAGUS SEED

An ounce of seed will sow 75 ft. of row and produce about 250 plants.

Sow the seed in the early spring. When roots are one to two years old, transplant to permanent location. Given care, a bed of 500 sq. ft. provides for an average family for 8 to 10 years.

Mary Washington—An early rust-resistant variety that is a heavy producer. The shoots are of rich dark green with tightly folded tips. Introduced by the U.S.D.A., and surely the best strain grown. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.35; 10 lbs., $12.50.

New Paradise—Produces a normal crop **one year earlier.** This new sensational variety has been tried and proven by big Asparagus growers. Heavy cropper, finest quality, commands top prices. Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

ASPARAGUS ROOTS

75 roots plant 100 feet of row.

Mary Washington—2-year-old roots fresh dug. 10 for 50c; 50 roots, $2.00; 100 roots, $3.60; 1000 roots, $30.00.

By Mail—Add postage, 10c for 10; 20c for 50; 30c for 100; $1.25 for 1000.

ARTICHOKES

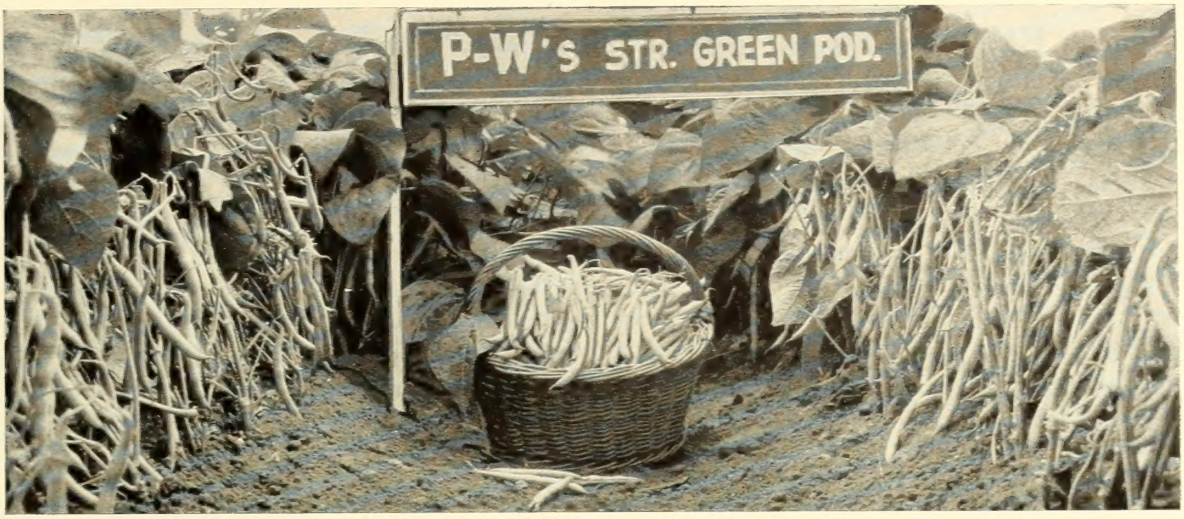
1 peck plants 100 feet of row.

Jerusalem (Tuberous Rooted) — For hog pasture. When once established they increase rapidly. Culture same as potatoes, except roots may be left in soil over winter. Lb., 20c; 10 lbs., $1.50; postpaid. Not prepaid—10 lbs., $1.20; 100 lbs., $8.50.

ATTENTION MARKET GARDENERS!

Market Gardeners' quantity prices are printed in this book. **These prices** will be found to be as reasonable as any other reliable source of supply. We have gone to great expense in testing and growing in order to select the most dependable that can be grown or procured, regardless of price.

P.-W.'s SEEDS ARE SECOND TO NONE



STRINGLESS BEANS

DWARF GREEN POD TYPES

1 pkt. plants, 30 ft.; lb., 150 ft.; 60-75 lbs., an acre

New Stringless or Tendergreen—53 days. Our stock of this variety has become so popular with our customers that today it stands out as the leading stringless green pod sort. Pods are 6-6½ in. long, and are absolutely stringless and free from fiber. They are nearly straight, dark green, and round. Plants are hardy, disease resistant, and dependable croppers. Not prepaid—10 lbs., $2.70; 50 lbs., $13.00; 100 lbs., $25.00.

Landreth's Stringless Greenpod (52 days)—Replaces Burpee's Stringless. The pods of this excellent green bean are stringless, fiberless, straight, and 6 to 6½ inches long. There are no indentations in the pods and they hold their deep green color longer. The foliage and growth are **similar to Burpee's Stringless Greenpod, but are darker green, more vigorous and more productive.** Market gardeners and shippers find this bean to be one one of the most profitable. 10 lbs., $2.60; 50 lbs., $12.50; 100 lbs., $24.00.

Stringless Black Valentine—49 days. Well adapted for early shipping. Plants large, erect and prolific; attractive oval pods nearly straight, dark green, entirely stringless. It retains its color and texture in shipping a long distance. One of the best market beans and a profitable one to grow. Not prepaid—10 lbs., $2.50; 50 lbs., $12.00; 100 lbs., $23.00.

Postpaid prices, any of above varieties—Pkt., 15c; lb., 50c; 2 lbs., 90c.

DWARF WAX PODDED BEANS

Sow Same as Green Pods.

Pencil Pod Black Wax—52 days. The best round-podded Wax Bean for the home gardener or market. Extremely productive, bearing magnificent straight, pencil-shaped pods, six to seven inches in length, of a rich golden-yellow color; beautifully rounded, meaty, fresh, brittle, solid and entirely stringless. Our stocks are carefully selected for vigor, high yield and true type. Not prepaid—10 lbs., $2.70; 50 lbs., $13.00; 100 lbs., $25.00.

Postpaid price of above—Pkt., 15c; lb., 40c; 2 lbs., 70c.

EDIBLE SOY BEANS

Since the recent introduction of vegetable type soy beans into this country, the demand for seed has constantly increased. These beans are not only delicious when eaten green or dry, but they are also an excellent source of Vitamins A, B, and G. Soy beans rate higher than Navy Beans in proteins and they will greatly out-yield them in the same amount of space.

Bansei (Earliest Soy Bean)—96 days. One of the earliest and most productive of all and very adaptable in its growing requirements; it will produce crops in nearly any section of the country. Plants grow 24 in. high and do not require support. They are literally loaded with pods. Seeds are bright green while young and yellow when mature. **Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., $2.25; postpaid.**

Illini—See page 71.

BROAD WINDSOR BEANS

Horse Bean or Fava—They are very productive and hardy; known to stand 28 degrees temperature. Europeans cook them while green, but the dried beans are very much in favor. Pods are 1¼ in. broad, 5-7 in. long, and smooth. Not prepaid—10 lbs., $2.50; 50 lbs., $12.00; 100 lbs., $23.00.

FIELD BEANS

Great Northern—University of Idaho No. 15 Certified. Careful selection and standardization has produced a strain superior in every way to the common Great Northern. Orders for less than 100 lbs. will not bear the University of Idaho Certification tag, but nevertheless will be filled from the same high quality stock.

Idaho Red—University of Idaho No. 3 Certified. We are proud to offer this improved and certified strain from the State of Idaho. Same tagging method exists as on Great Northern.

Pinto—Very popular in the Southwest.

Price, any of above—1 lb., 20c; 10 lbs., $1.75; 100 lbs., Ask. Postage extra at Zone rates (see page 77).

Pink Eye—Extremely popular in central and Northern Utah. Quite large beans of unexcelled flavor. 1 lb., 25c; 10 lbs., $2.25; 100 lbs., Ask. Postage extra at Zone rates.

LIMA BEANS – Bush and Pole

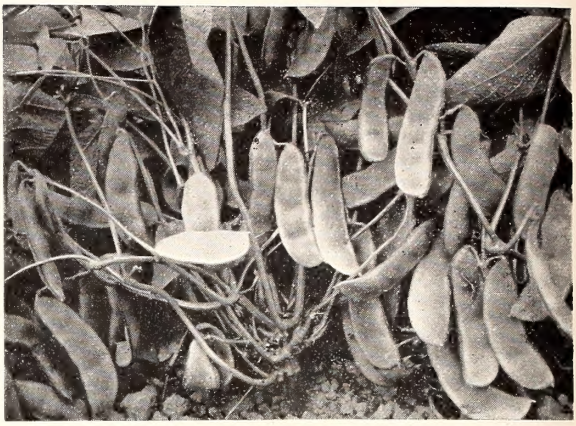
A pound of Lima seed will plant 100 ft. of row, about 60 lbs. an acre.

Fordhook—75 days. Plant is strong and erect; never straight or running. Heavily productive. The pods are borne in clusters of 4 to 8 each. Pods are 4-5 in. long, 1¼ in. wide, and as much as ½ in. thick; contains 3 to 4 seeds. Not prepaid—10 lbs., $2.90; 50 lbs., $14.00; 100 lbs., $27.00.

Henderson Bush (Baby Lima)—65 days. An early productive sort. Pods about 2¾ in. long, containing 2 to 4 beans of fine quality. Used for canning and dry beans. Not prepaid—10 lbs., $2.40; 50 lbs., $11.50; 100 lbs., $22.00.

King of the Garden (Pole Lima)—88 days. A vigorous climber and heavily productive. The most popular and most widely used Pole Lima. The beans are oval and fairly plump, pale green at the tender stage and greenish white when mature. Very delicious at either stage. Not prepaid—10 lbs., $2.60; 50 lbs., $12.50; 100 lbs., $24.00.

Postpaid prices on above—Pkt., 15c; lb., 50c; 2 lbs., 90c.



Fordhook Bush Lima

EARLY MARKET BUSH

New—Early—Introduced in 1943 by the U.S.D.A. It is outstanding for its early maturity and its ability to yield under hot weather conditions. It is a large flat-seeded type and is 14 days earlier than Fordhook. Seed is still limited forcing us to set the maximum limit per sale at one-half pound. **Pkt., 20c; ½ lb., 35c. Postpaid.**

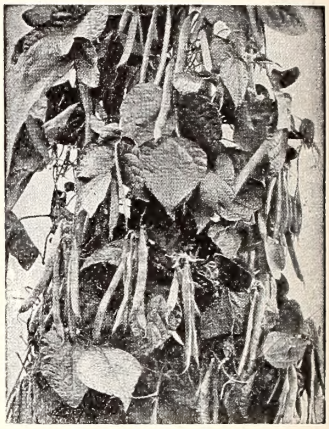
POLE BEANS

A packet of these beans will plant 120 feet of row.

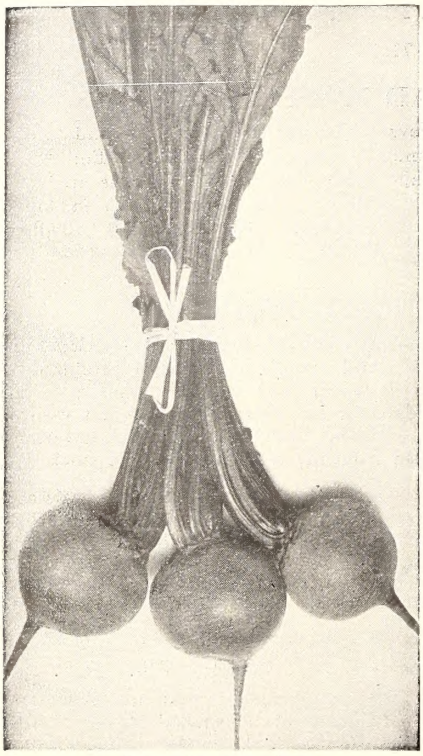
Kentucky Wonder or Homestead—65 days. The pods are thick, meaty and deeply saddle-backed and entirely stringless. The best for all purposes. Not prepaid—10 lbs., $2.60; 50 lbs., $12.50; 100 lbs., $24.00.

Blue Lakes—Used extensively by Intermountain and Pacific Coast canners for an asparagus type pack of green beans. Splendid for home use and will command high prices on local markets. Good climber, heavy producer, pods 5½ in. long, ½ in. wide, and almost ½ in. thick. Very fleshy, brittle, and tender. Not prepaid—10 lbs., $2.60; 50 lbs., $12.50; 100 lbs., $24.00.

Postpaid prices, any of above varieties—Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.



Kentucky Wonder
(Old Homestead)



Detroit Dark Red Beet

BEETS

An ounce of seed will sow 60 feet of row; a packet, 15 feet; 10 lbs. will plant an acre in rows spaced 14 inches apart.

Detroit Dark Red (Perfected Strain)—This beet is one of the most outstanding selections of Detroit Dark Red for dark, uniform, interior color. The root is globe shape, slightly flattened at base. Especially adapted for market gardens and possessing excellent canning qualities. Tops are fairly large, leaves dark green, tinged with dark red. This variety is a good grower and heavy cropper. Pkt., 10c; oz., 35c; ¼ lb., $1.10; lb., $3.25; 10 lbs., $31.50.

Early Crosby Egyptian (Dark Red Strain)—50-55 days. An extra early variety; splendid for home gardens or market. Tops medium in size; roots flattened, globe shape with small tap root. Color is very dark red; flesh crisp and tender.

P.-W.'s Early Wonder—50 days. The earliest of the table varieties. It is globe shaped and very uniform in size, skin smooth, flesh a deep blood-red.

Early Flat Egyptian—Several days earlier than other early varieties. Used for forcing to reach the earliest market.

Beet prices, except where noted—Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.00; 10 lbs., $29.00.

BROCCOLI

Italian Green Sprouting—Cultivated like cabbage, it bears a succession of sprouting heads. Each sprout, about 4 in. long, ends in a small head of deep green buds. It resembles cauliflower except in color. Pkt., 10c; oz., 70c; ¼ lb., $1.65; lb., $5.00.

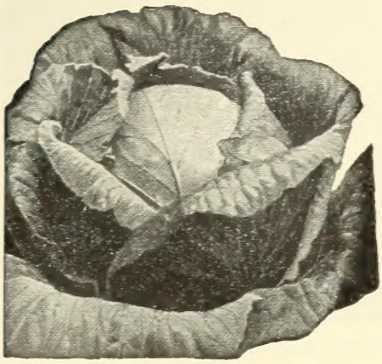
Broccoli Plants—30c per 10; $1.50 per 100; postpaid.

BRUSSELS SPROUTS

Long Island Improved—The flavor of these small sprouts or heads is more delicate than that of cabbage and the culture is the same. Plants 20 in. tall and stems are well covered with firm, round, cabbage-like balls about 1½ in. in diameter, which mature in succession. Pkt., 10c; oz., $1.25; ¼ lb., $4.00; lb., $12.00.

P.-W.'s SPECIAL CABBAGE STRAINS

An ounce of seed will produce about 3,000 plants if sown in frames.



Copenhagen Market

Copenhagen Market—70 days. This fine early market garden strain will satisfy the most critical trade. Short stemmed, heads uniformly large, round, solid and excellent quality. The light green leaves are always tightly folded; the plants may, therefore, be set closer. Vigorous grower, good yielder and an excellent keeper. Pkt., 10c; oz., 70c; ¼ lb., $2.25; lb., $6.75.

Danish Ball Head (Short Stem Strain)—We are proud of this stock and fully recommend it to our customers as the most outstanding Danish Ball Head offered anywhere. The heads are nearly round, extremely solid, and remarkably heavy. It is vigorous, uniform, and sure to head. They are outstanding keepers in storage. Pkt., 10c; oz., 75c; ¼ lb., $2.45; lb., $7.25.

P.-W.'s Early Jersey Wakefield—65 days. The entire crop can be marketed very early, grows compact with nearly oval, deep green leaves. Short stem, medium size, very solid, pointed heads of excellent quality. The best extra early pointed headed cabbage. Pkt., 10c; oz., 50c; ¼ lb., $1.65; lb., $5.00.

P.-W.'s Golden Acre—60 days. The earliest cabbage. Heads are round like Copenhagen Market, but smaller. Plants are small, short stemmed, and compact. This is one of the most profitable for market growers. Ours is a true strain from the most reputable Danish grower. Pkt., 10c; oz., 70c; ¼ lb., $2.25; lb., $6.75.

Glory of Enkhuizen—80 days. Widely used for kraut and for shipping. Pkt., 10c; oz., 60c; ¼ lb., $2.00; lb., $6.00.

Premium Flat Dutch—105 days. Heads large, flat but deep, and solid. Pkt., 10c; oz., 60c; ¼ lb., $1.90; lb., $5.75.

Perfection Drumhead—90 days. This is the leader of the Savoy types. Pkt., 10c; oz., 80c; ¼ lb., $2.60; lb., $7.75.

Red Stonehead—110 days. The largest and best red cabbage. Pkt., 10c; oz., 80c; ¼ lb., $2.60; lb., $7.75.

CABBAGE PLANTS

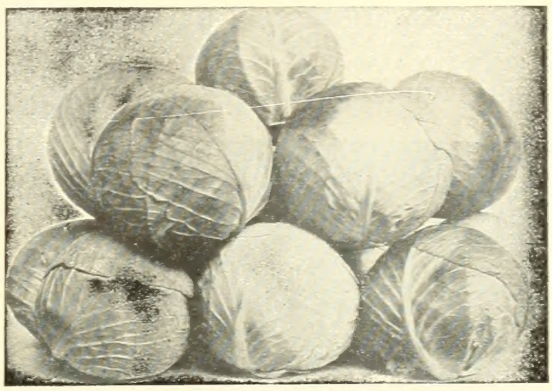
Golden Acre, Copenhagen Market, and **Danish Ball Head**—10 for 30c; 100 for $1.50; 1000 for $7.00. Postpaid.

CHINESE CABBAGE

Big producer. Splendid greens for poultry or salads.

Pe-Tsai—15-18 in. tall. Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.00.

Wong Bok—8-10 in. tall.

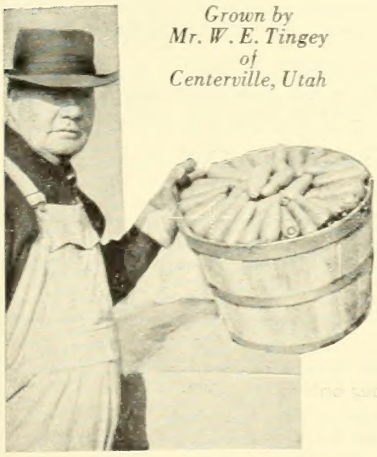


P.-W.'s Danish Ball Head

CARROTS

An ounce will sow 300 ft. of row; a packet, 60 feet; 2 to 4 lbs. an acre.

Chantenay, Sp. Long Type—70 days. It grows about an inch longer and has a smaller shoulder than Red Cored Chantenay. Our stocks are a highly refined Red Cored strain developed for a market gardener's bunching carrot. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $2.75; 10 lbs., $26.00.



Grown by Mr. W. E. Tingey of Centerville, Utah

P.-W.'s Chantenay Red Cored

Chantenay Red Cored—70 days. An improvement over the old style Chantenay, for market and canning. The flesh and core are reddish-orange, fine-grained, and tender. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $2.75; 10 lbs., $26.00.

Nantes (Coreless)—68 days. Used extensively for bunching and busheling. Very attractive, 6-7 in. long, smooth, cylindrical, and stump-rooted. They are entirely coreless and of exceptionally fine quality. Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.00; 10 lbs., $28.50.

Imperator—77 days. An outstanding bunching carrot. The carrots are often eight inches long, smooth, somewhat tapering, and deep orange in color. We offer the pure strains. Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.00; 10 lbs., $28.50.

Danvers Half Long—75 days. A heavy cropper for home and market garden. Roots, 6-8 in. long, and about 1¾ in. in diameter, tapering to a blunt end. Flesh bright orange, crisp and tender. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $2.75; 10 lbs., $26.00.

Oxheart (Guerande)—75 days. Thick and blunt-rooted, about 5 inches long; a rapid grower. Color, orange red. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $2.75; 10 lbs., $26.00.

Improved Long Orange—Roots scarlet orange. Heavy cropper. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $2.75; 10 lbs., $26.00.

Mastodon or Short White—Most productive for stock feeding. ¼ lb., 90c; lb., $2.75; 10 lbs., $26.00.

CAULIFLOWER

One ounce of seed will produce 1,500 to 2,000 plants in open ground or about 3,000 in frames.

P.-W.'s Perfection (Super Snowball)—65 days. "No better seed can be bought at any price." It is adapted for either early or late Fall use. It possesses all the good qualities of the best Early Snowball strains. The leaves are longer and enfold closely over the heads. The inner leaves almost cover the snow-white heads, bleaching them nicely, thus avoiding the necessity of early tying of the leaves. Pkt., 10c; ¼ oz., $1.10; oz., $3.50; ¼ lb., $11.00; lb., $35.00.

New Snowdrift—Also known as "White Mountain" and "Improved Holland Erfurt," which our tests show are merely other names for this splendid variety. This strain will produce a more satisfactory yield under extreme weather conditions than any other Snowball strain we know. The heads are somewhat larger than the old type Snowball, and it matures with more evenness. Pkt., 10c; ¼ oz., $1.10; oz., $3.50; ¼ lb., $11.00; lb., $35.00.

P.-W.'s New Snowdrift

CAULIFLOWER PLANTS

Strong plants of **P.-W.'s Perfection** (Super Snowball) will be ready after April 15th. 10 for 35c; 100, $1.75; 500, $5.00; 1000, $8.50. Postpaid.

CELERY PLANTS

Strong plants from flats ready after May 15th of **P.-W.'s Improved Utah.** 10 for 40c; 100, $2.25. Postpaid. Write for quantity prices.

P.-W.'s Improved Utah

CELERY

One ounce, 1,500 plants; half-pound to transplant an acre.

P.-W.'s Improved Utah—The far-famed Utah Celery so much in demand. 125 days. Developed by the local gardeners. Its superior qualities give it exclusive control of the local celery market. It has double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a creamy white. Ribs perfectly solid, crisp and of a delicious nutty flavor. Our true strain produces the most uniform, large, compact plants of any stocks produced in Utah. Pkt., 10c; ¼ oz., 40c; oz., $1.25; ¼ lb., $4.00; lb., $12.00.

Golden Self-Blanching—Of quick growth, easy and self-blanching character, combined with handsome appearance and crisp, sweet flavor. It is a good early Celery for home gardens and local market. Pkt., 10c; oz., 80c; ¼ lb., $2.65; lb., $8.00.

P.-W.'s Wonderful or Golden Plume—110 days. Rightly named "Wonderful." Distinct type, ten to twelve days earlier than Golden Self-Blanching and very much superior. Plants are very large in size, short, stout, stocky, and full of heart. Blanches easily. Pkt., 10c; oz., 80c; ¼ lb., $2.65; lb., $8.00.

CELERIAC—Turnip Rooted Celery

Giant Smooth Prague—This really delicious vegetable should be in every home garden. It is a kind of Celery which forms large bulb-like roots. The bulbs when cut into cubes, boiled and served with a cream sauce are delicious. It has a pleasant, nut-like celery flavor. Pkt., 10c; oz., 90c; ¼ lb., $3.00; lb., $9.00.

CHICORY

Asparagus or Radichetta—Fast growing annual; grown for tops which are used for greens; tender flower shoots also used. Also known as Italian Dandelion.

Large Rooted or Coffee—The roots, when dried, are used as a coffee substitute. The young leaves may be used in salad. Sow seeds early in spring in rows about 2 ft. apart. Roots grow 12-14 in. long and 2 in. thick at top, tapered.

Either of above—Pkt., 10c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

CHIVES

An onion-like plant used as a salad and for flavoring soups. One sowing will last for about three years. Ptk., 10c; ¼ oz., 35c; oz., $1.00.

Plants—Strong clumps, 3 for 70c; 10 for $1.85; add postage 15c for 3; 40c for 10.

FREE TRANSPORTATION—All vegetable and flower seeds **in this price list** except **Peas, Beans,** and **Sweet Corn,** will be sent prepaid by parcel post, express or freight **at our option.**

The above offer to pay transportation **does not apply** to Field and Grass Seed, Potatoes, Onion Sets, Fertilizers, Peat Moss, Tools, Insecticides, etc.

SWEET CORN

One pound will plant about 400 hills; a packet, 100 hills; 12 lbs., an acre.

PROVEN HYBRIDS

The advantages of Hybrid Sweet Corn are: Uniformity in maturing dates. Disease resistant and higher yielding. Trueness of type and excellence of flavor. Greater drouth resistance because of their deeper and more abundant root systems.

Caution—To produce Hybrid Sweet Corn, crosses between an inbred strain and a standard variety or crossing two inbreds must be done each year. Seed saved from hybrids will not come true to type the following year.

Marcross C6.13 — Early hybrid. The 5-foot stalks produce 8-inch, 10 to 14-rowed, golden yellow ears well filled to the tip in 74 to 77 days, or almost as early as Golden Early Market. As both parents are highly disease-resistant, Marcross C6.13 is doubly protected against disease. Usually over 85 per cent of the ears are marketable.

Bancross C13—80 days. This is a top cross between Improved Golden Bantam and inbred of the Golden Early Market, giving this variety increased earliness of the Early Market and retaining the good points of the Improved Bantam. Stalks grow 5 feet high and bear good roasting ears 80 days from planting.

Golden Cross Bantam—93-95 days. The most prolific of the yellow sweet corns; produces at least 40% more good marketable ears than ordinary stocks. The ears are considerably larger than Golden Bantam, containing 10 to 14 rows of kernels, slightly lighter in color. The plant is sturdy, with broad, dark green leaves.

Marcross C6.13
A leading early Hybrid Sweet Corn

Ioana—Large Eared — Midseason — Wilt Resistant Hybrid — 86 days. The ears are large, slightly tapering, mostly 8 to 9 inches long with 12 to 14 rows of creamy yellow, medium deep kernels, which fill the ear well at the tip. These ears are of fine quality, being sweet and tender. The plant is tall and strong and is resistant to Stewart's Disease (wilt). In some sections where large crops of sweet corn are grown for market, some growers prefer it even to Golden Cross Bantam.

Spancross—70 to 73 days. One of the earliest Hybrids. Produces medium sized ears with 10-12 rows of medium depth kernels of good flavor and quality. Plants are well rooted, resistant to bacterial wilt, and grow 4½-5 feet tall.

Succession Offer No. 9-A
Consisting of 1 packet each of the four Hybrid Sweet Corn Varieties of your selection; insuring fresh roasting ears over a long period, postpaid— **65c**

All Hybrid Sweet Corn, Not Prepaid—10 lbs., $4.70; 50 lbs., $23.00; 100 lbs., $45.00.
Hybrid Corn Prices, Postpaid (any of above)—Pkt., 20c; 1 lb., 65c; 2 lbs., $1.20; 5 lbs., $2.75.

OPEN-POLLINATED VARIETIES

Golden Bantam (True 8-rowed stock)—72 days. America's most popular sweet corn. Eight rows of even, broad, fairly deep golden kernels of most delicious flavor. Ears, 7-8 inches long; stalk averages 5 ft. An excellent selected northern strain, hardy and well known.

Improved Bantam—67 days. About a week earlier than the 8-row Bantam and equal in flavor. Ears 6-7 inches in length, with 10-12 rows of deep yellow kernels. Produces well under adverse conditions. Fine for garden and market.

Golden or Bantam Evergreen (Also called Golden Rod)—89 days. Cross between Stowell's Evergreen and Golden Bantam. Plants, 6-7 ft. high; ears 8-10 inches in length, filled with 12-14 rows of medium width kernels, tender and of excellent flavor. It is the most important open-pollinated late variety, appearing on the market when most other yellows are over-mature.

Golden Sunshine—65 days. The ears are medium long and plump, 7-8 in. and 10-12 rows of fine quality corn. Plants, 5-5½ ft. tall with one to two ears per stalk. This is one of the earliest; our tests showed within a day or two of Golden Early Market. It possesses a superior flavor.

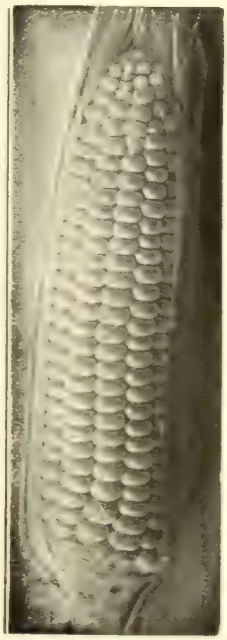
Stowell's Evergreen—98 days. The best known late white variety. The ears are about 7-8 inches long, 14-20 rowed. Kernels are clear white, deep, rather broad, sweet and tender. Recommended for home use, market growers and canning. Not prepaid—10 lbs., $2.80; 50 lbs., $13.50; 100 lbs., $26.00.

Prices, Open-Pollinated Sweet Corn (except where noted) —Not Prepaid—10 lbs., $2.70; 50 lbs., $13.00; 100 lbs., $25.00. Postpaid—Pkt., 10c; 1 lb., 35c; 2 lbs., 60c.

HYBRID POP CORN

"The perfect Wartime Confection"

New Hybrid South American—The latest development in pop corn. It produces about 15% more per acre than ordinary varieties and far surpasses them from the standpoint of quality, flavor, tenderness, and popping expansion. The kernels are yellow and when popped appear to have been sprayed with butter. Plant 6 to 12 pounds per acre. Price — 1 lb., $1.00; 2 lbs., $1.90; 5 lbs., $4.50.



Open-Pollinated Type

Protect Your Sweet Corn

from the ravages of corn ear worm by using

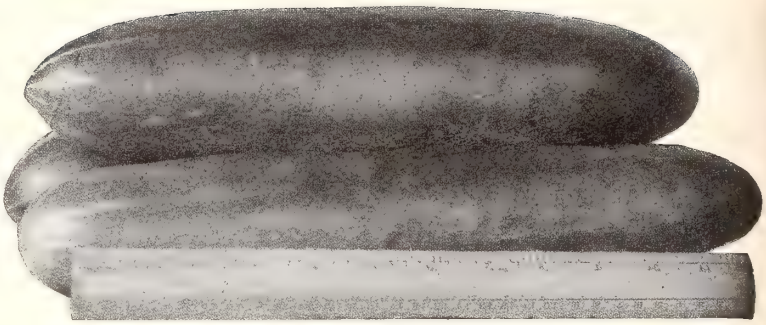
Earworm-o-cide

See page 45

CUCUMBERS

One packet will plant 20 hills; ounce, 75 hills; 2 to 3 pounds an acre.

Colorado—60 days. The finest slicing cucumber. Beatuiful, long, slender, dark green fruits, 9-12 in. long, that bring the highest prices on the critical markets. Popular because of its fine shape and intense color, which is maintained longer than that of most varieties. A heavy yielder. Pkt., 10c; oz., 30c; ¼ lb., $1.00; 1 lb., $3.00.



Colorado—the Finest Slicing Cucumber

A & C—Long, slender, dark green. This new cucumber has rapidly become very popular. The cucumbers are 8 to 9 inches long, well proportioned, smooth and dark green in color. They make a very fancy pack. The vines are strong, healthy, and productive. Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.00.

Improved Long Green—62 days. Very vigorous and productive. Fruits long, uniformly slender, beautiful dark green. The stock we offer is second to none. Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.00.

Davis Perfect—Our stock of this improved strain of White Spine is very fine. The fruit is of good length, straight, tapering at both ends, very deep green, and of fine quality. Matures a little later than Early Fortune. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., $2.50.

Boston Pickling—Very productive, extensively grown for pickles. Very smooth and symmetrical—flesh crisp and tender. It continues to be the most popular for home use. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., $2.50.

Improved White Spine—58-62 days. Its earliness and productivity have kept this strain among the leaders. The fruits are medium long, medium green and medium in thickness of flesh. Good flavor and quality. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., $2.50.

Straight Eight—A very prolific long white spine. Popular because of the large yield of fine straight cucumbers, which are 8 to 9 inches long, smooth and somewhat blunt ended. The color is medium dark green. Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.00.

West Indian Gherkin—50 days. It is quite distinct from Cucumber; is used for very small pickles. Fruits are about 2 in. long, 1 in. in diameter. Pkt., 10c; oz., 30c.

COLLARDS

Georgia Southern or Creole—This is a tall, loose-leaved cabbage-like plant. Grown for table greens and for stock or poultry feeding. Sow seed early in rows and transplant or thin to 4 in. in the row. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

CRESS

½ ounce to 100 feet of row.

Spendid for salad, garnishing. Sow seed one foot apart in open ground. Sow often for succession, as it soon runs to seed.

Extra Curled or Pepper Grass—The leaves of this small salad are much frilled or curled, and are used for garnishing. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.00.

DILL

See herbs on opposite page.

EGG PLANT

One ounce grows 1000 plants.

Black Beauty—Earliest and best of all large fruited Egg Plants. The grand, large fruits are thick and most attractive; deep and rich color. Pkt., 10c; oz., 50c; ¼ lb., $1.60; lb., $5.00.

Plants—Black Beauty plants grown in flats will be available after April 15th. 10 for 40c; 100, $2.25; postpaid.

For Earlier Cucumbers, Egg Plants, Melons, Peppers and Tomatoes, use—

HOTKAPS—An Individual Hothouse for Every Plant!

See full details on page 47

ENDIVE

One ounce, 300 feet; 4 to 5 pounds per acre.

A salad vegetable valuable for Winter use. Sow in June or July, in rows, and thin to about six inches.

Broad Leaved Batavian—Broad, more or less twisted and waved green leaves with thick white mid-ribs. Unsurpassed for salad.

Green Curled—Very curly. The mid-ribs being wide and whitish, with the outer edges very much indented. Very attractive.

Either of above—Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.60; 10 lbs., $15.00.

GARLIC

The bulbs should be separated into flakes or "cloves," and planted like onion sets. Bulbs for planting—lb., 50c; 5 lbs., $2.25.

HORSE RADISH

Roots should be planted small end down and covered with two inches of soil in rows and set 15 to 20 inches apart.

Maliner-Kren — This is considered superior to common Horse Radish. 55c per 10; $4.00 per 100.

Black Beauty Egg Plant

HERBS—Aromatic and Sweet

Every garden should have a few herbs. Sow early in the spring in carefully prepared soil.

Anise (15″)—Seeds and leaves for flavorings.

Caraway (15″)—Seed used to flavor breads, etc.

Catnip (20″)—Leaves used for flavoring.

Coriander (30″)—Seed used in bread and confectionery.

Dill (36″)—Seed used in soups and stews. Most used for pickling. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50.

Horehound—Foliage and roots used for flavoring.

Sweet Marjoram (24″)—Used for salads and dressings.

Sage—(See page 16.)

Summer Savory (12″)—Leaves flavor salads, dressings, etc.

Prices of above, except where noted, Pkt., 10c.

KALE

One packet for 100 ft., 2 lbs. per acre.

A species of cabbage. The leaves are cooked as greens; not injured by frosts. Sow in September in same manner as Spinach.

Dwarf Curled Scotch—Grows very low and compact, with large, bright deep green leaves curled, cut and crimpled. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.25.**

Tall Green Early Scotch — Very hardy, not injured by March frost. About 30 inches tall. **Pkt., 10c; oz., 20c; ¼ lb., 70c; lb., $2.00.**

KOHL RABI

One ounce of seed sows 300 feet of row.

Sow in rows 18 inches apart, cover ½ inch, and thin to 6 inches apart in the row.

Early White Vienna—Very early, small tops, light green; bulbs medium size, best quality.

Price—Pkt., 10c; oz., 75c; ¼ lb., $2.50; lb., $7.50.

LEEK

Seed should be planted in June for good plants in the Fall or Winter.

Giant Musselburgh—Best variety, having good thick stems which are also long, vigorous and mild flavored.

Pkt., 10c; ½ oz., 60c; oz., $1.00.

Dwarf Curled Scotch Kale

MUSHROOM SPAWN

Mushrooms may be grown by anyone having a shed or cellar where a temperature of 50 to 60 degrees is evenly maintained. Ask for free cultural directions leaflet.

Pure Culture Spawn—One brick, 45c; 5 bricks, $2.00; 10 bricks, $3.50; postpaid.

MUSTARD

An ounce plants 50 feet of row.

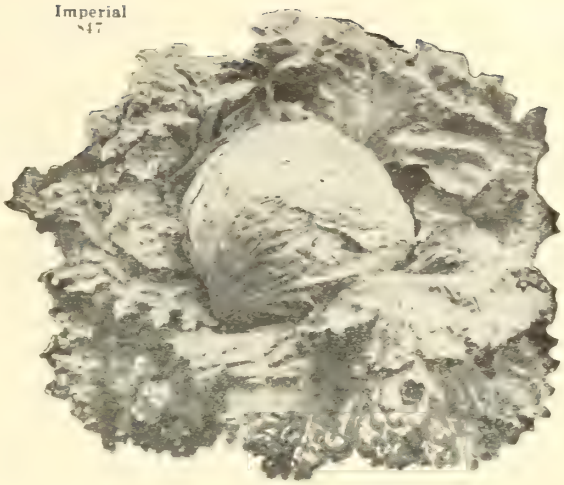
Excellent greens cooked the same as Spinach. Sow in drills early in the Spring, and at intervals during the Summer.

Giant Southern Curled—Curled leaf, large.

Fordhook, Fancy—Beautiful dark green curled leaves with a very mild, pleasant flavor.

Either of above—Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

Imperial 847



LETTUCE

An ounce of seed will sow 250 ft. of row; about 2 lbs. an acre.

Lettuce Imperial No. 847—This new Imperial strain is especially fine for late Spring and Summer growing. It is a black seeded variety that shows a remarkable resistance to heat. In a very few years it has become the leading sort with commercial shippers on the Coast, and fields in Salt Lake Valley have proved really outstanding. Plants, medium sized, low growing, and compact. Large, firm heads, dark green, and of fine quality. Pkt., 10c; oz., 35c; ¼ lb., $1.15; lb., $3.40; 10 lbs., $33.00.

Imperial No. 44—Surest Heading "Iceberg" Lettuce—This new lettuce has proved to be the outstanding "Iceberg" Lettuce to grow. It is the variety which does best on a wide range of soils, both upland and muck, especially on muck. Not only does it head better than any other strains, but has shown definite resistance to tip burn. Try Imperial 44 this year. Pkt., 10c; oz., 35c; ¼ lb., $1.15; lb., $3.40.

Imperial No. 152—Very sure heading type which can be used under a wide range of conditions. Like other Imperial varieties, it is a head lettuce, suitable for long distance shipment. Plants rather light green, spreading, forming very firm round exposed heads. Resistant to brown blight. Pkt., 10c; oz., 35c; ¼ lb., $1.15; lb., $3.40.

P.-W.'s N. Y. Lettuce No. 12—77 days. A single plant selection from the regular New York or Los Angeles market strain. It is early, makes large, solid heads, uniform in maturing. Pkt., 10c; oz., 35c; ¼ lb., $1.15; lb., $3.40; 10 lbs., $33.00.

Hanson—A hardy sort and good for late spring and midsummer as it resists heat. Plants large with thick leaves, frilled, yellowish green. Heads globular, white at heart, crisp and tender. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.35.

Loose Leaf Lettuce

Black Seeded Simpson—45 days. This is one of the best; leaves large, thin, and exceedingly tender.

Early Curled Simpson—45 days. A popular early sort, forming a large, loose head.

Prizehead—47 days. Large, loose headed sort; leaves tinged with brown, very heavy.

Prices on any of above—Pkt., 10c; oz., 20c; ¼ lb., 70c; lb., $2.10.

Cos or Romaine Lettuce

Trianon—66 days. The best of this type. Forms large, light green plant with head well folded, quite solid. The flavor is different from ordinary and esteemed by many. Tie plants to blanch them or plant closely, 5 inches apart. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.35.

MUSKMELONS OR CANTALOUPES

A packet of seed will plant about 15 hills; an ounce, 75 hills; 2½ lbs. an acre.

Hales Best No. 36

Hales Best No. 36—85 days. Size 5½ x 5½", weight about 3 lbs. Shape, slightly oval and very uniform. Desirable for any purpose —home, garden, roadside stands, and shipping. Flesh, pink, very thick, richly flavored.

Resistant No. 45 (Also called "Imperial No. 45" and "H. B. No. 45")—86 days. Size 6 x 5½", weight about 4 lbs. It is not only resistant to powdery mildew and the ideal shipping melon, but it is rapidly becoming a leader everywhere. Seed cavity is small, flesh thick and deep colored, delicious flavor. The fact that the seed cannot be jarred loose and remains edible and really better 10 days after picking, makes it a most desirable shipper.

Honey Dew (Gold Rind, Green Flesh)—110 days. Excellent for roadside stands because of attractive color. Very popular because of its honey-like flavor. Fruits are round, about 7 in. in diameter, smooth and hard, suitable for long-distance shipping. Excellent keepers. The thick, green flesh is sweet and tender.

Hearts of Gold Improved—88 days. A fine shipping melon as well as general purpose. Medium size, round, and well netted. Flesh orange-yellow, excellent flavor, firm, and holds up well.

Hales Best No. 936—87 days. This is the Jumbo. It serves well those who desire a large melon of this type.

Rocky Ford (Green Flesh)—95 days. Popular everywhere. Spicy flavor difficult to improve.

CASABA MELONS

Cultivate same as other melons, but do not water too freely after first setting of fruit is fully grown.

Golden Beauty—105 days. Most popular of the Casabas. It has a golden color when mature, with a wrinkled skin. Flesh is white, sweet, and spicy.

Improved Hybrid—105 days. A large sized Casaba, quite similar to Golden Beauty. An excellent kind.

Prices on all of above Muskmelons—Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.00; 10 lbs., $18.50.

WATERMELON

A packet of seed will plant about 8 hills; an ounce, 25 to 30 hills; 2 to 3 lbs. will plant an acre.

Dixie Queen—85 days. An enormous yielder. Melons are round to oval, skin striped light and dark green; fruits are large; flesh, dark pink of splendid quality.

Kleckley Sweet No. 6 (Wilt Resistant)—88 days. A selected type which has proven almost fully resistant to wilt. Slightly smaller than "Improved Kleckley Sweet," but otherwise identical.

Citron (Red Seeded)—Used for preserves.

Striped Klondike No. 11—90 days. A new selection of the attractive and universally popular shipping melon which carries the highest sugar content of any commercial variety. The rind is thin, but strong; the flesh is solid and a bright red. Average weight is 30 lbs., slightly larger than the parent strain. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.60; 10 lbs., $15.00.

Green Klondike—90 days. Solid dark green, showing light ribs running lengthwise. Truly delicious. For size and shape see cut of "Striped No. 11." Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.60; 10 lbs., $15.00.

Early Kansas—85 days. Fine for local markets or home gardens. Fine texture, sweet flavor; flesh rich red, shape nearly round; dark green with lighter stripes.

King and Queen (Winter)—85 days. An excellent shipper. Flesh is sweet and of fine texture. When properly stored, they remain edible for several months. The color is light cream with faint irregular green stripes. Seeds are quite small and very black.

Stone Mountain—85 days. Combines large size with earliness. Weight 50 lbs. or over, broad oval in shape, with crimson flesh. Fine for home or market.

Price, any of above, except where otherwise noted—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25; 10 lbs., $11.50.

Striped Klondike No. 11

OKRA OR GUMBO

A packet of seed will sow 15 ft. of row; an ounce, 50 ft.

Dwarf Green — 50 days. Early dwarf growing variety with dark green pods. Its early maturity and good quality make it popular with market growers.

Clemson Spineless—55 days. An improved Perkins long-podded type. Awarded All-America silver medal in 1939. A very uniform spineless strain; straight pods rich green.

Price of above—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

ONIONS

A packet of seed will sow about 25 feet of row; ½ ounce, 100 feet; 3 to 6 lbs. an acre.

Sweet Spanish (Utah Strain)—Hundreds of carloads of Sweet Spanish Onions are dispatched from Northern Utah districts every season. The importance of onions as a major Utah crop necessitates great care in the selection of a superior strain. Today "Utah Strain" is universally acclaimed for its excellence. Its superiority lies in its deep yellow color, uniformity of shape, trueness to type, and fine keeping qualities. They grow large in size with a heavy outside skin and white flesh that is very mild and sweet. Growers know it as the most profitable strain because of heavy yields—20% more marketable onions per acre are not uncommon—and freedom from bottlenecks.

California Grown Stock—½ oz., 60c; oz., $1.10; ¼ lb., $3.75; lb., $11.00.

Utah Grown Stock—½ oz., 75c; oz., $1.40; ¼ lb., $4.65; lb., $14.00.

Sweet Spanish (Utah Certified)—Same as above. Sealed and certification tags attached. (One pound minimum sale), lb., $16.00.

P.-W.'s Mountain Danvers (Also called Oregon Danvers)—A large, semi-globe shaped onion well adapted to high altitudes and short season. It is particularly notable for its hard bulb with thick skin and its excellent storage quality. Pkt., 10c; ½ oz., 45c; oz., 80c; ¼ lb., $2.60; lb., $7.75.

Crystal White Wax—Very large, white onion of the Bermuda type. The sweet, mild flavor and large size make it a ready seller on any market. Pkt., 10c; ½ oz., 50c; oz., 90c; ¼ lb., $3.00; lb., $9.00.

Southport White Globe—A fine white onion. The bulbs are round, medium large, solid, and pure white. The flesh is waxy white, fine grained, and mild. Keeps well in fall storage. For large market growers, it always commands the highest prices. Pkt., 10c; ½ oz., 55c; oz., $1.00; ¼ lb., $3.35; lb., $10.00.

View of one of our seed production fields of Utah Strain—Sweet Spanish Onion, located at Centerville.

HOW TO GROW VEGETABLES

Catalog space will not allow for complete cultural information. However, we are pleased to tell our customers of an excellent book costing only 25c that fully covers this subject. See page 3.

ONION PLANTS

It is uncertain as we go to press with this catalog, just what varieties of Onion Plants will be available. We expect to furnish Crystal Wax (White Bermudas), Sweet Spanish and White Sweet Spanish.

Onion Plants

Minimum Sale, 10 bunches (about 1000 plants). Price, $2.50 postpaid.

Full crate (about 6000 plants). Prices are unstable. Current quotation on request.

NOTE—**Onion plants can be supplied between April 15th and May 15th only.** These plants can be ordered at any time for shipment between the above dates. Please state on the order when you want the plants sent.

P.-W.'s White Sweet Spanish

P.-W.'s White Sweet Spanish—Similar in shape, size and habits of growth to P.-W.'s Sweet Spanish Onion. It has a beautiful white skin which makes it a desirable onion for market. The flavor is unusually sweet and mild. A fairly heavy yielder and the bulbs sell for the top market prices. Pkt., 10c; ½ oz., 55c; oz., $1.00; ¼ lb., $3.35; lb., $10.00.

Yellow Globe Danvers—A popular strain of Yellow Globe. It is hardy, heavy cropping and keeps well in storage. Bulbs medium large, round, yellow, firm. Flesh white, with slight yellow tone. Pkt., 10c; ½ oz., 45c; oz., 75c; ¼ lb., $2.40; lb., $7.25.

Barletta—Not available this year.

Southport Red Globe—The leading red onion. Globe-shaped, deep purplish red. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $2.35; lb., $7.00.

Southport Yellow Globe—Medium sized, splendid yellow globe, sure keeper. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $2.35; lb., $7.00.

White Portugal or **Silverskin**—An all-purpose variety used in great quantity. Excellent for sets, pickling, green bunching, or for storage. A dependable cropper. Pkt., 10c; ½ oz., 45c; oz., 85c; ¼ lb., $2.65; lb., $8.00.

ONION SETS

A quart (1 lb.) will set 75 to 100 feet of row.

Early onions may be grown from these sets planted in March and April. When ready to use, take up every other one as needed, allowing the balance to make mature bulbs.

Yellow Sets—1 lb., 40c; 10 lbs., $3.50.

White Sets—1 lb., 40c; 10 lbs., $3.50.

Above prices do not include postage; if by mail, add extra at zone rates.

Onion Sets

PEAS

A packet of seed will sow about 10 feet of row, a pound, 100 feet; 100 to 200 pounds an acre.

Alaska—60 days. Very early, smooth-seeded canning or garden variety. Vines, 30 in.; pods, 3 in., containing 5 to 8 peas. Not prepaid—10 lbs., $1.80; 25 lbs., $4.25; 100 lbs., $16.00.

Bliss Everbearing—76 days. Popular home garden sort. Vines, 30 in. tall; dark green, thrifty, of long bearing period. Pods, 3 in. long, blunt. Not prepaid—10 lbs., $1.90; 25 lbs., $4.50; 100 lbs., $17.00.

Dwarf Alderman—74 days. A true large-podded Alderman type with dwarf sturdy vines. Becoming very popular for main crop. The dark green pods are most attractive and command the highest prices. Vines, 20 in.; pods, 4½ in., dark and pointed. Not prepaid—10 lbs., $2.00; 25 lbs., $4.75; 100 lbs., $18.00.

Giant Stride (Wilt resistant)—75 days. This is the largest podded variety of commercial importance. Especially adapted for the market gardener and shipper. The vine grows 28 to 30 inches tall with large dark green foliage and heavy stem. The pods are 5½ inches long, dark green and plump, containing 8 to 10 large tender peas. **Giant Stride** is an excellent variety for cold storage use. Price—10 lbs., $2.00; 25 lbs. for $4.75; 100 lbs. for $18.00.

Hundredfold (Also called Laxtonian and Blue Bantam)—63 days. Dark pod strain. Large blue-green pods, 4½ in. long on dwarf 20 in. dark green, stout vines. Its dwarf habit and large pods containing 6-8 delicious peas, combined with its extreme earliness and heavy production make Hundredfold an outstanding home and market garden pea. Not prepaid—10 lbs., $2.00; 25 lbs., $4.75; 100 lbs., $18.00.

Laxton's Progress—63 days. Produces the largest pods of any of the early dwarf varieties. Popular for long-distance shipping, also for home and market gardeners. We offer a very superior strain of this leading variety. Ordinarily two pickings will clean the vines. Vines, 18 in. tall; pods, 4½-5 in. long, containing 7-9 large, tender peas. Not prepaid—10 lbs., $2.00; 25 lbs., $4.75; 100 lbs., $18.00.

Little Marvel—62 days. An outstanding early dwarf pea for home gardens. Vines 18 in. tall, vigorous, and heavily laden with pods 3 in. long, blunt. They are very attractive peas and are esteemed for their high table quality. The peas are fairly large at table stage. Not prepaid—10 lbs., $2.00; 25 lbs., $4.75; 100 lbs., $18.00.

Number 40—Resembles Stratagem, but 4-5 days earlier; adapted particularly for shippers and market gardeners. Pods dark green, pointed, about 5 in. long. Not prepaid—10 lbs., $2.10; 25 lbs., $5.00; 100 lbs., $19.00.

Stratagem—80 days. Fine late variety for home gardens, market growers, and long-distance shippers. 24 in. vines; 4½ in. pods; color, dark green. A very fine variety and a heavy yielder. Not prepaid—10 lbs., $1.90; 25 lbs., $4.50; 100 lbs., $17.00.

Postpaid Prices: Any of above varieties—Pkt., 15c; lb., 40c; 2 lbs., 70c; 5 lbs., $1.50.

Dwarf Alderman

COLLECTION FOR SUCCESSION

These varieties will produce continuous pickings from early to late: **Alaska, Little Marvel, Laxton's Progress, Giant Stride** and **Stratagem.**

OFFER 414A (one packet each of above), postpaid..... **$ .60**

OFFER 414B (one pound each of above), postpaid..... **$1.50**

Laxton's Progress

At our trial grounds we select only the best varieties. You cannot afford to risk seed of doubtful origin and quality. Inferior seeds would produce only inferior crops.

Giant Stride

INOCULATE ALL LEGUMES WITH NITRAGIN The Original Legume Inoculator

Increase your yield and build up the soil at the same time by inoculating seed peas and all other legumes with Nitragin. 100-lb. size, 50c; 1200-lb. size, $5.70; prepaid.

PARSLEY

1 oz. 150 feet of row
3 to 4 lbs. per acre

Paramount—Award of Merit, A.A.S., 1935. Very compact with deep, dark green, triple-curled leaves. Plants 12 inches tall and very uniform. Noted for hardiness and ability to hold color; produces no flat leaves.

Champion Moss Curled—A vigorous compact sort. Deep green color and attractive foliage. One of the best for market or home use.

Double Curled—A standard dwarf variety, having deeply cut and curled leaves.

Hamburg (Rooted)—Fleshy roots resembling parsnips. Flesh, white. Roots may be dug and carried through winter like turnips. 100 days.

Prices, all of above—Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., $1.35.

New Harris Model Parsnip

PARSNIPS

1 oz. for 100 feet
5 to 6 lbs. per acre

Ideal Hollow Crown—Our strain of Hollow Crown is the thick shouldered type particularly fine, smooth and regular. Pkt., 5c; oz., 15c; ¼ lb., 50c: lb., $1.50; 10 lbs., $14.00.

New Harris White Model—This is considered by all market gardeners who have tried it, an improvement over the Hollow Crown. It is of medium length, smooth, and pure creamy white. The absence of side roots and the ease with which it is harvested are important points in its favor. Pkt., 5c: oz., 20c; ¼ lb., 55c: lb., $1.60; 10 lbs., $15.00.

PUMPKINS

1 oz. 20 hills
3 lbs. per acre

Connecticut Field (Big Tom)—Large orange colored friuts, flat on the ends with smooth, hard rind. For canning or pies, also used largely for stock feed. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Dickinsons—We are convinced this is the finest pumpkin for canning and feeding. It has a high protein content and flesh twice as thick as Kentucky Field or Large Cheese varieties, which it should replace. It can be canned without the addition of sugar or starch. Pkt., 10c; oz., 15c; ¼ lb., 40c: lb., $1.25.

King of the Mammoth—Also called "Jumbo" or "Potiron." This is the largest pumpkin. Flesh is thick, yellow, and fine-grained. Used principally for exhibition and stock feeding. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

Sugar Pie Pumpkin—A handsome and productive small pumpkin, ten to twelve inches in diameter; flat-round, skin orange. Flesh deep yellow of fine grain and very sweet. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Sugar Pie Pumpkin

PEPPERS

1 oz. per 1000 plants

California Wonder XXX Strain—Has all the qualities desired in a stuffing pepper. Grows 4 inches in length and 3½ inches in diameter. A fine, sweet and tender pepper with very thick walls. Smooth, glossy, green fruits, changing to crimson when ripe. The most uniform and highest quality strain. Pkt., 10c: ½ oz., 55c: oz., $1.00: ¼ lb., $3.25; lb., $10.00.

California Wonder

California Wonder (Regular)—A very satisfactory pepper for home garden or market. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $2.25; lb., $6.50.

Chinese Giant—A large pepper, yielding enormously. Fruits are a rich dark green, turning to scarlet red when ripe. Thick, mild, and sweet flesh. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $2.25; lb., $6.50.

Harris' Early Giant—An excellent early sweet pepper for home and market garden use. Only 63 days from setting plants to fruiting. The plants are 18-24 inches tall, erect, vigorous and are famous for their high productiveness. Fruits grow 4½ inches long and 3½ inches through. The flesh is thick, tender, and mild flavored.

Anaheim Chili—A hot late variety, popular because of its agreeable pungency. Fruits are 6-8 inches long, 1 inch wide, tapered; deep green changing to scarlet.

Long Red Cayenne—Strong and pungent; fruits about 5 in. long and ¾ in. thick, tapering. Especially fine for drying.

Neapolitan—Very early, extremely mild and sweet. Measures about 4 in. long and 2 in. wide. Yellowish green changing to red when mature.

Pimento—The sweetest pepper grown, as it does not contain the slightest trace of fieriness. Fruits heart-shaped.

Red Chili—Small, bright red, hot and pungent. About 2 in. long and ¼-½ in. wide.

Any of above, except where especially priced—Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75; lb., $5.00.

PEPPER PLANTS—Chinese Giant and California Wonder. **40c per 10; $2.25 per 100; postpaid.** Prices of larger quantities for collect shipment mailed on request.

For bumper crops use P.-W.'s Mountain Grown Potatoes

POTATOES

10 lbs. 100 feet of row — 800-1000 lbs. per acre

Seed Potatoes

Bliss Triumph—Early. Tubers nearly round, smooth, reddish-pink, with shallow eyes. They yield enormous crops.

Early Ohio—Very early. Skin light reddish-pink and smooth.

Idaho Russet—The best baking potato. Its pearl white, dry and mealy flesh cannot be surpassed. Late maturing.

Irish Cobblers—The leading early, round, white potatoes.

Potato prices are subject to market changes. Write for quotation.

Imp. Semesan Bel — Controls seed-borne Rhizoctonia and scab. 2 ozs. will treat 6 to 8 bushels. Prices—2 oz. pkg., 30c; 1 lb., $1.65; 5 lbs., $7.15.

TREAT WITH QUICK, EASY
SEMESAN BEL
DIP FOR LARGER POTATO CROPS

P.-W.'s Early Scarlet Globe

RADISHES

1 oz. 50 feet of row — 3-4 lbs. per acre

Comet (Long Standing)—We are proud to offer this fine round radish to our trade. It is the brightest colored of all table radishes and stays in condition longer without becoming pithy. Color is clear, solid scarlet. Ideal for market garden use.

P.-W.'s Sparkler—The radishes are round, brilliant scarlet with white bottoms. Ready for the table in 20 days from planting. Valuable for forcing under glass, as well as for the open. Skin very smooth, and its color gives it an appetizing appearance.

French Breakfast—24 days. A splendid variety, medium-sized, olive-shaped, very crisp and tender; scarlet color with white tip.

Early Scarlet Globe (Medium Top)—It is preferred for general outdoor culture where a good top is desired for bunching. Rich scarlet color; tender, mild flavor. Bred for uniformity of slightly oval globes. Crisp white flesh of splendid quality.

Icicle—The most popular of all long radishes. Pure white, slender, and tapering in shape. The flesh is crisp; always tender, and of splendid flavor. 27 days.

Radish Prices—Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.00; 10 lbs., $9.00; 100 lbs., $85.00.

Winter Varieties

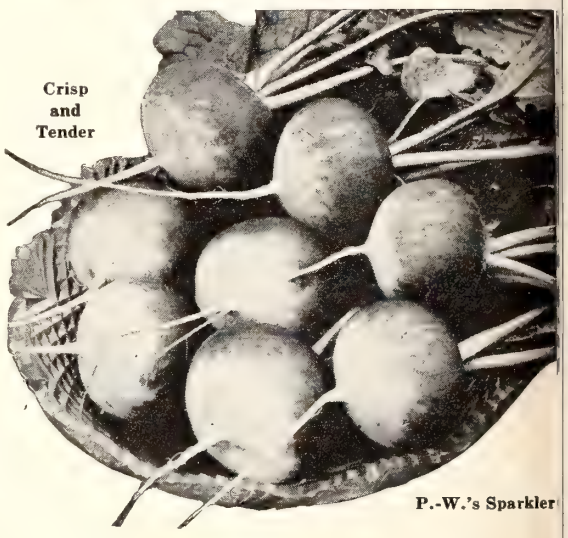
Seed for winter radishes should be sown about the first of August. For winter use, the roots should be pulled and packed in damp sand and stored in a cool cellar.

Chinese Rose—Half-long, flesh pink, solid.

Long Black Spanish—Roots black.

Celestial or White Chinese—Pure white, firm.

Price, any of above—Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.00.



Crisp and Tender

P.-W.'s Sparkler

RHUBARB OR PIE PLANT

1 oz. of seed will sow 100 ft. of row

Victoria—Very large and tender. The best variety to plant from seed.

Seed—Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., $2.50.

Roots—15c each; $1.25 per 10; $10.00 per 100.

New Giant Cherry Rhubarb—Splendid new type. It produces very large stocks of a decided cherry-red color which, for market purposes, commands a higher price than the less colorful types. Propagated from divisions only. Strong roots, 75c each; $6.50 per 10; Postage extra, 5c per root.

SAGE

An indispensable perennial much in demand for adding flavor to many different kinds of dishes. Used either fresh or dry. Pkt., 25c; ½ oz., $1.50; oz., $2.50. One-year plants, 3 for 90c; 10 for $2.50. Postage extra, 40c for 10.

SALSIFY

Cultivate the same as carrots. Can remain in the ground all winter for early spring use.

Mammoth Sandwich Island—Grows to a very large size and resembles a good-sized parsnip. Mild and delicately flavored; very popular. Pkt., 10c; oz., 65c; ¼ lb., $2.00; lb., $6.00.

Bloomsdale Long Standing

SPINACH

¼ lb. seed will sow 200 ft.; 12 to 20 lbs. an acre.

P.-W.'s Improved Long Standing Bloomsdale Savoy-Leaved—We offer a wonderfully well-bred strain. Large, deep green, well crumpled leaves which produce enormous crops and stand a long time without bolting a seed. We recommend this variety to spinach growers who demand only the finest.

Prices—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., $6.50; 100 lbs., $55.00.

SWISS CHARD

¼ lb. of seed will sow 250 ft., 10 lbs. an acre.

Fordhook Giant — The rich dark green leaves are very crinkled, thick, and quite tender, making excellent boiling greens. The wide, pearly-white stems are delicious if prepared like Asparagus. The appealing dark green color makes Fordhook the leading variety. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.00.

Fordhook Giant Swiss Chard
The finest market variety

NEW ZEALAND SPINACH

While this is not a member of the Spinach family, it produces an abundance of delightful tender greens throughout the summer and right up to cold weather. Both the leaves and the stalks are very fleshy and brittle and of the finest quality when cooked. Sow seed after the 1st of May or when the soil is fairly warm. The rows should be 3 feet apart and the plants about 2 feet apart in the rows. Soak the seed before planting. About 60 days from planting, the first picking should be ready. Price—Pkt., 10c; ½ oz., 25c; 1 oz., 45c.

SQUASH

Summer Squash

¼ lb. of seed will plant about 100 hills, 5 to 6 lbs. of seed an acre.

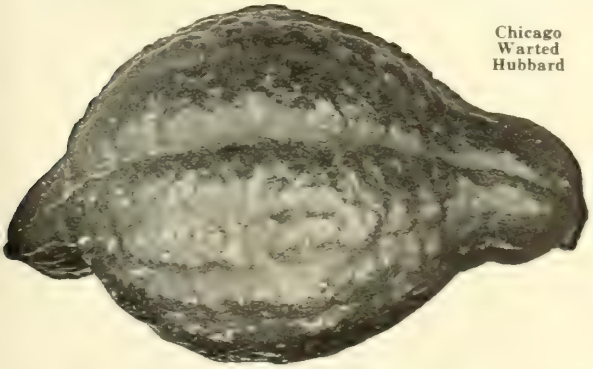
Early Prolific Straightneck—This is now proven as one of the most popular summer varieties. The fruits are very uniform for shape and size and the skin is a clear, bright yellow color, with no trace of green even when young. Small vine growth allows thick planting. Its shape prevents any breakage. They are usable when only 4 to 5 in. long and until 12 to 14 in. long.

Cocozelle Bush—Is long and cylindrical. Dark green when young, and fine flavored. Bush vines.

Early White Bush—Fruits are rather small, quite flat, with scalloped edges. Fruits are produced in amazing quantities, and if kept picked will bear until frost. Snow-white at all times.

Table Queen (Acorn)—An individual size squash. Outside color, green; flesh, light orange; dry, sweet flavor.

Early Yellow Summer Crookneck—Fruits heavily warted and golden yellow in color. We have a beautiful pure line strain.



Chicago Warted Hubbard

Zucchini Black—It is replacing Cocozelle and Grey Zucchini in most areas. Fruits long and slender, showing a black green color when young. We believe they have a better flavor.

Price, any of above—Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.60; 10 lbs., $15.00.

Winter Squash

¼ lb. of seed will plant 50 hills, 3 to 4 lbs. of seed an acre.

Banana (Blue)—Popular winter squash. Fruits 18 to 24 inches long and about 7 inches in diameter. Slate grey color; flesh fine-grained, deep yellow, dry, and sweet. Banana is free from stringiness and fine for pies.

Chicago Warted Hubbard — Dark green, flesh dry and sweet. Very hard shell insures long keeping qualities. It is the largest of the green Hubbards and is thickly covered with warts. Undoubtedly the most popular of any squash in this class.

Green Delicious—Believed the driest and sweetest of any of the winter squashes. Fruits 8 lbs.

Golden Delicious — The color is a bright golden with lighter stripes. An excellent small squash for roadside and market, also widely used for canning. Wonderful flavor.

Golden Hubbard—It is a little smaller than the Green Hubbard types and a few days earlier. Fruits 8 to 10 lbs.; orange-red color, flesh deep orange, dry, and of good quality. Keeps well.

Pike's Peak or Sibley — Large oval fruits, slate grey in color; flesh golden-yellow, very best quality.

Utah Giant Field—Mammoth size; valuable for stock feeding. Seeds are large, brown and shiny.

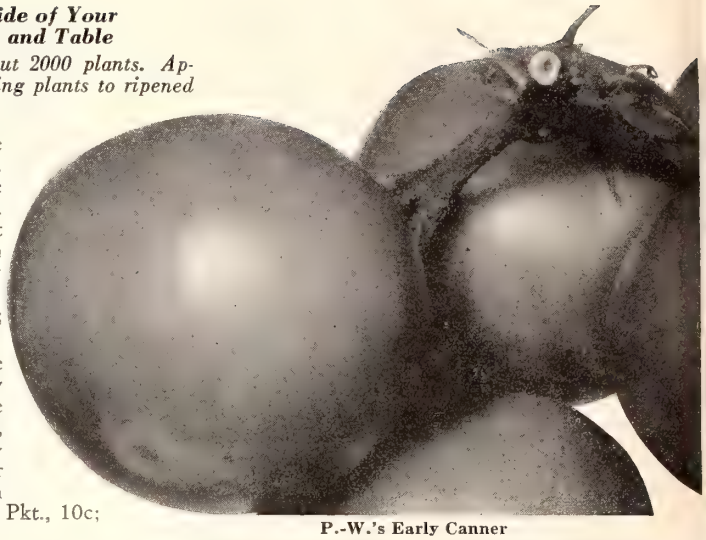
Price, any of above—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.10; 10 lbs., $20.00.

TOMATOES *The Pride of Your Garden and Table*

An ounce of seed will produce about 2000 plants. Approximate number of days from setting plants to ripened fruits are indicated.

P.-W.'s EARLY CANNER — The fruits are smooth, very red, and not susceptible to cracks. Vines are compact in habit, allowing three plants in the space ordinarily required for two. It has become a favorite for Home and Market Gardeners. Many years have been spent in tests and selection, to combine the virtues which make it an outstanding variety for all gardeners. 70 days. Pkt., 10c; ½ oz., 55c; oz., $1.00.

Marglobe—Blight resistant. Introduced by the U.S.D.A. only a few years ago, it is widely planted by market growers, canners, and home gardeners. The fruits are large, globe-shaped, smooth, deep red, very solid and firm; delicious flavor. It is also the standard variety for green pack, as it grows with very little stem crack and ripens well in storage. 75-80 days. Pkt., 10c; oz., 65c; ¼ lb., $2.00; lb., $6.00.



P.-W.'s Early Canner

Pritchard's (Scarlet Topper)—A wilt resistant variety developed by the U.S.D.A. The flesh is rich red, solid with few seed cavities and has a mild non-acid flavor. Pritchard requires a fertile soil for best development and responds well to heavy applications of fertilizer. Ripens between Bonny Best and Marglobe. Pkt., 10c; oz., 65c; ¼ lb., $2.00; lb., $6.00.

Bonny Best—Fruits bright, deep scarlet red; medium large; flattened globe shape; smooth and firm. 73 days. Pkt., 10c; oz., 60c; ¼ lb., $1.85; lb., $5.50.

Earliana Special — We earnestly believe our strain is the finest of this **first early** type. Fruits are medium size, flattened globe-shape, deep scarlet-red, firm and smooth. 66 days. Pkt., 10c; oz., 75c; ¼ lb., $2.35; lb., $7.00.

John Baer—We regard this variety as one of the best medium earlies and recommend it most highly for all purposes. Fruits bright scarlet-red, smooth, and quite firm. 70 days. Pkt., 10c; oz., 65c; ¼ lb., $2.00; lb., $6.00.

Stokesdale—An excellent medium early tomato, ripening in season of John Baer and adapted for market and canning. The fruit is medium size, deep globe-shape, very solid and of fine quality. Ripens even to a good scarlet color. The vines are very prolific. Pkt., 10c; oz., 65c; ¼ lb., $2.00; lb., $6.00.

Stone (Improved)—Enormous yielder. Valuable for the market gardener, trucker, and canner. Bright deep scarlet fruits; large and flat, but deep; smooth and solid. 86 days. Pkt., 10c; oz., 60c; ¼ lb., $1.85; lb., $5.50.

New Climbing Tomato

Trip-L-Crop—This novelty tomato especially adapted to home garden culture, should be grown on stakes or a trellis. The vines grow 8 to 15 feet tall and sometimes yield as many as two bushels each. The fruits are very large, commonly weighing a pound or more. Pkt. only 25c.

Small Fruited Tomatoes

These tiny tomatoes are prized for pickles, preserving, salads and pie making. Varieties: **Ground Cherry, Red Cherry, Red Pear,** and **Yellow Pear**. Price—Pkt., 10c; ½ oz., 45c; oz., 80c.

HUCKLEBERRY (Wonderberry)—The fruit is as large as a grape and jet black when ripe. Makes delicious pies, jellies, preserves, jams, etc. Pkt., 10c; ½ oz., 45c; oz., 80c.

P.-W.'s STURDY TOMATO PLANTS

For many years we have made a specialty of growing tomato plants. Our plants are **transplanted into flats, scientifically grown, sturdy and well hardened;** and are far superior to plants taken directly from the seed bed or greenhouse to the field. Plants of the leading varieties, P.-W.'s Early Canner, Earliana, John Baer, Stokesdale, and Stone are ready from about May 1 to June 25th.

Price—40c per 10; $2.25 per 100; postpaid. Prices on larger quantities for pick up here or for express collect shipment mailed on request.

← Purple Top White Globe

TURNIPS

It requires 1 to 1½ lbs. of seed per acre in drills. An ounce will sow 300 feet of row.

Purple Top White Globe (Special Strain)—This fine stock produces the world's finest turnips. Large, smooth, and delicious flavored. The color is snow-white with a rich purple top; the flesh is firm, fine-grained and tender. It is the standard home, market, garden and shipping variety and always sells at advanced prices over ordinary sorts.

Snowball—An early variety next in popularity to Purple Top White Globe. Roots are round, pure white throughout. Flesh is fine-grained, sweet, and tender.

White Egg—An oval or egg-shaped clear white turnip.

Turnip Prices—Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50; 10 lbs., $14.00.

Rutabaga or Swede Turnip

American Purple Top—Remarkable for uniform shape and fine quality; a splendid keeper. Skin smooth; a beautiful yellow color, fine-grained, very sweet and tender.

Golden Neckless—A favorite winter variety maturing earlier than the American Purple Top, which it closely resembles. The flesh is light yellow, fine-grained, and sweet. Roots are uniform in shape and color with a very small neck.

Rutabaga Prices—Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.60.

P.-W.'s New
EARLY CANNER

The Best
All Purpose
Tomato

P.-W.'s
New Early Canner

Pkt. 10c; ½ oz. 55c

By All Odds the Leading All Purpose Tomato to Date

GARDEN V FOR VICTORY

P. W.'S COUNTRY GENTLEMAN'S VICTORY GARDEN OFFER NO. 419

This offer includes ample seed of the following most palatable array of Garden Vegetables

(SEE COLOR ILLUSTRATION BELOW

2 pkts. Beets—Detroit Dark Red....20c	1 pkt. Egg Plant—Black Beauty 10c	1 pkt. Parsnip—Hollow Crown..... 5c
2 ctns. Beans—Stringless Green Pod.40c	1 pkt. Lettuce—New York 10c	1 pkt. Pepper—Calif. Wonder.....10c
2 ctns. Beans—Tender Yellow Pod ..40c	1 pkt. Canteloupe—Hale's Best.....10c	2 pkts. Radish—White Tip.....10c
1 pkt. Cabbage—Danish Ball Head..10c	1 pkt. Watermelon—St'p'd Klondike.10c	1 pkt. Radish—White Icicle..... 5c
2 pkts. Carrot—Chantenay Red Cored.20c	2 pkts. Onion—Ely. Wht. Bunching..20c	1 pkt. Spinach—Bloomsdale 5c
1 pkt. Cauliflower—P.-W. Perfection.10c	3 pkts. Onion—Yellow Sweet Spanish.30c	1 pkt. Swiss Chard 10c
1 pkt. Celery—P.-W. Utah Improved.10c	2 ctns. Peas—Laxton Progress Early..40c	1 pkt. Squash—Early Straightneck...10c
3 ctns. Corn—Golden Cross Bantam..60c	3 ctns. Peas—Stratagem 60c	1 pkt. Turnip—Purple Top Wh. Globe.10c
1 pkt. Cucumber—Imp. Colorado... 10c	1 pkt. Parsley—Moss Curled 5c	1 pkt. Tomato—P.-W. Early Canner..10c

Just think of it! Fresh, well-filled packets and cartons (40 in all) of above 27 varieties of leading Vegetable Seeds (regular value $4.90) **postpaid for only** **$4.00**

COSMOS, Giant Sensation, Pink. **Pkt. 15c.** See page 24.

(Above) **P.-W.'s Rocky Mountain Giant PANSY.** **Pkt. 50c.** See page 27.

(Left)
New Violet Queen ALYSSUM
For beautiful borders.
Pkt. 15c.

(Right)
MORNING GLORY
Early Heavenly Blue
Pkt. 10c
See page 26

P.-W.'s Annual Flower Collection No. 420

75c

POSTPAID

One packet each of the six varieties illustrated on this page.

(Right)
MORNING GLORY
Scarlett O'Hara
AAS Gold Medal Winner
Pkt. 10c. See page 26.

Left
GIANT IMPERIAL LARKSPURS
Finest Mixed
Pkt. 10c

Annual and Perennial Seeds and Plants

Ageratum *ajuFH*

Dwarf Blue Cap (6"-8")—The best dwarf; plants are tiny mounds of flowers; compact, deep rich blue. Pkt., 15c; 1/16 oz., 60c.

Midget Blue (2"-3")—A most compact and very fine dwarf. Blue flowers. Comes uniform and true to color from seed. Pkt., 25c; 1/32 oz., 60c.

Alyssum

Benthami Mariatimum (Sweet Alyssum) ajuFHN (10")—White, honey-scented flowers bloom early and continue until frost. Pkt., 10c; ½ oz., 40c.

Little Gem ajuBDGN (8")—Dwarf, completely covered with snowy-white blossoms. Pkt., 10c; ¼ oz., 40c.

Saxatile Compactum (Basket of Gold) ckuAJU (12")—Produces a mass of light golden flowers. May be planted effectively with Arabis. Pkt., 10c. Plants, 3 for 70c; 10 for $1.85.

Snow Cloth (Procumbens) ajuFHN (4")—Very dwarf, compact, and quite spreading. Pure white flowers completely cover the plants. Pkt., 10c; ¼ oz., 45c.

Violet Queen ajuFHN (6")—Very desirable. Plants are dwarf, compact, neat in habit, and free flowering. The sweet-scented flowers are a very rich shade of violet. Pkt., 15c; ⅛ oz., 35c. (See page 20)

Anchusa (15") *cjuBJS*

Myosotidiflora—A wonderful dwarf perennial with clusters of charming blue flowers resembling Forget-Me-Nots. Pkt., 50c. Plants, 3 for 90c; 10 for $2.50.

Anemone Japonica *eorsCDS*

Alba (24"-36")—A beautiful single, pure white with yellow center.

Alice (24"-36")—Large, rosy pink flowers with lilac center are borne on strong, vigorous plants. Excellent variety.

September Queen (24")—Produces semi-double flowers of an attractive shade of rosy red. This is a very desirable variety which is erect in habit and very free flowering.

Prices, any of above, Plants, 3 for $1.25; 10 for $3.50.

Sylvestris (12") corsBJN — "The Snowdrop Anemone." Lower growing species with pure white nodding flowers. Price, 3 for 90c; 10 for $2.50.

ANTIRRHINUMS (Snapdragons) *ajrFGN*

MAXIMUM or Super Giants Rust Resistant (30"-36")—The development of these new rust-proof strains has made Snapdragons more popular than ever. Plants are base branching, each producing up to 1½ dozen long, graceful spikes covered with large flowers. Foliage is clean, healthy, and luxuriant.

Alaska—Pure white.

Apple Blossom—Light pink.

Canary Bird—Canary yellow, deeper lip.

Christmas Candle—Flame-red, lighter throat.

Copper King—Burnished copper.

Crimson—Deep crimson.

Indian Summer—Reddish bronze and golden hues.

Loveliness—Soft, rose-pink.

Rosalie—A rich, deep rose with an underlying tone of topaz or amber.

Maximum or Super Giant Mixed—Well-blended. Each of above, Pkt., 15c; 1/16 oz., 60c.

California Giant Mixture—This deluxe mixture will supply a never-ending color combination of long-stemmed, rust-proof, cut flowers. Pkt., 15c; 1/16 oz., 60c.

Arabis (Rock Cress) (5") *cjuxAJN*

Alpina—Forms spreading tufts covered with sheets of pure white flowers. One of the earliest spring-flowering plants we have. Perfectly hardy and long-lived. Plants only, 3 for 70c; 10 for $1.85.

Alpina Rosea—Pink flowers. Pkt., 25c; seed only.

Improved California Giant

Asters (3') *aorsCDHN*

Improved California Giant—Long, strong stems bearing beautifully formed, curled and interlaced flowers 5 in. across. **Crimson, Light Blue, Pure White, Purple, Rose** and **Mixed.** Any of above—Pkt., 10c; 1/16 oz., 40c.

Early American Beauty—Wilt Resistant—The outer petals reflex and the center ones curved gracefully inward. Magnificent for cutting. **White, Light Blue, Dark Blue, Crimson, Shell Pink, Deep Rose** and **Mixed.** Each of above—Pkt., 10c; 1/16 oz., 35c.

Giant Crego—Wilt Resistant—Large flowers are borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed. **White, Rose Pink, Crimson, Dark Blue, Light Blue,** and **Mixed.** Each of above—Pkt., 10c; ⅛ oz., 40c.

Heart of France Aster (24")—The largest flowering of the very dark red sorts. Pkt., 15c; 1/16 oz., 35c.

Giant California Sunshine, Mixed—Large flowers with loosely placed outer petals contrasting with the creamy yellow or blue centers. Pkt., 10c; 1/16 oz., 40c.

El Monte (Super Giant)—Immense, brilliant, glowing crimson flowers. Pkt., 15c; 1/16 oz., 40c.

Los Angeles (Super Giant)—Pure, shell-pink. Pkt., 15c; 1/16 oz., 40c.

Super Giant Snapdragon

About Postage: Plants are not postpaid. If by mail, remit postage extra, 15c for 3, 40c for 10. All flower seeds postpaid.

Hardy Asters (Michaelmas Daisy) *djtDJS*

Beechwood Challenger (30″) — A recent introduction which is the nearest to red of any Hardy Aster to date. Crimson-red and very profuse flowering.

Royal Blue (36″)—Rich, deep blue and a strong grower.

Wonder of Staffa (Frikarti) (30″) — Rich lavender-blue flowers 1½-2 inches across. Bushy habit of growth and a constant bloomer.

Countess Dudley (12″)—Charming clear pink flowers on bushy plants.

Niobe (9″)—Pure white flowers with yellow centers. The plants are of very compact growth.

Victor (12″)—This is a beautiful clear lavender-blue.

Price of any above, 3 for $1.15; 10 for $3.25.

Aquilegia (Columbine) *cisBJU*

Crimson Star—An attractive novelty. The long spurs and very large sepals are velvety-crimson, the inner petals are white in contrast. Price, plants, 3 for 90c; 10 for $2.50.

Scarlet Shades—Many tints and shades with one predominating color.

Scott Elliott's Long Spurred Hybrids (26″)—A wonderful mixture containing all the beautiful tints and color combinations. Pkt., 10c; 1/32 oz., 50c. See them in color on page 30.

Two-year plants of above, except Crimson Star, 3 for 75c; 10 for $2.00.

Aubrietia (4″) *cjuAJN*

Bougainveillei—Dark blue flowers. Pkt., 25c.

P.-W.'s Monarch Mixture—A wide range of many unusual colors provide a rich and glorious color effect. Strong flowering plants. Seed, Pkt., 25c.

Plants, either of above, 3 for 70c; 10 for $1.85.

Balloon Vine (15′) *ajtCHSU*

Love in a Puff—A clean, free-growing vine bearing numbers of large, round, inflated seedbuds resembling miniature balloons. Pkt., 10c; ¼ oz., 25c.

Balsam (Lady Slipper) (18″) *aksCHS*

Double Camellia-Flowered Mixture—Today's Balsams are greatly improved over their predecessors. They blossom continuously in many colors. Pkt., 10c; ¼ oz., 45c.

Bleeding Hearts *djloBU*

Spectabilis (Dicentra)—Its long racemes of graceful, heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border. Strong roots, 60c each; 3 for $1.60; 10 for $4.50.

Calendula Chrysantha

Eschscholtzia (California Poppy)

Brachycome (Swan River Daisy) (9″-12″) *akuwBH*

Small, cineraria-like blooms nearly all summer. Our mixture contains all the colors: white, pink and blue. Pkt., 10c; ⅛ oz., 25c.

Cactus

All Types Mixed—You will be thrilled with the many interesting varieties of Cactus this seed will produce. Pkt., 10c; 1/16 oz., 45c.

Calamintha Alpina (6″) *ckuBJN*

A very graceful little plant with small leaves and small blue flowers. Pkt., 25c.

Brachycome

Calendula (18″) *akrsBDGN*

Chrysantha or Sunshine—Large, clear buttercup yellow, long loosely-arranged petals resembling Chrysanthemums. Pkt., 10c; ¼ oz., 40c.

Orange Fantasy—Long, twisted outer petals, short curled inner petals; flowers 3¾″ across. Color coppery-orange with mahogany-bronze center. Pkt., 10c; ¼ oz., 30c.

Improved Campfire—Rich orange flowers with a scarlet sheen. Pkt., 10c; ⅛ oz., 25c.

Double Giant Mixed—All colors. Pkt., 5c; ½ oz., 35c.

California Poppy (Eschscholtzia) (8″) *ajsBJN*

Aurantiaca (Orange King) — Rich golden orange. Pkt., 10c; ¼ oz., 20c.

Mixed, all colors—Many shades. Pkt., 5c; ¼ oz., 20c.

Calliopsis (12″) *aksFHN*

Drummondi Golden Crown—Large, orange-yellow flowers on wiry stems. Pkt., 10c; ¼ oz., 30c.

Finest Mixed—Pkt., 5c; ¼ oz., 25c.

Candytuft *ajsBHN*

Giant Hyacinth-Flowered White (12″)—Large spikes of snowy white flowers, sturdy and compact. Pkt., 10c; ¼ oz., 40c.

Umbrellata Finest Mixed (12″)—Pkt., 5c; ¼ oz., 25c.

Campanula (Bellflower)

Calycanthema bksBJU (24″)—This is the old favorite cup and saucer Canterbury Bell, a flower worthy of perpetuation in every garden of today. *White, Pink, Blue, and *Mixed. Pkt., 10c.

***Glomerata Superba** cksBJU (18″)—Compact clusters of deep blue bell flowers are held closely around the erect and sturdy stems. (Plants only.)

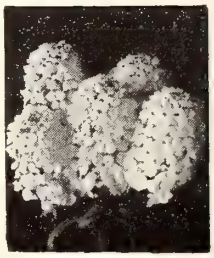
***Persicifolia** (Peach Bells) ckrBJU (30″)—A noble plant for the middle of the hardy border. Large, bright blue flowers neatly arranged around their straight stems which rise from low mounds of peach-like foliage. Pkt., 25c.

***Pyramidalis** cktCDJU (72″)—Clear blue star-like flowers on tall spikes. Plants only.

Rotundifolia cjuBDJU (12″)—The "Blue Bell of Scotland" bears small, deep blue flowers evenly scattered over the whole plant. Pkt., 25c.

Plants of the varieties marked*, 3 for 70c; 10 for $1.85.

Caliopsis



Hy. Candytuft

Carnations

Giant Marguerite Mixed—Begin to flower in a few weeks from time of sowing. Pkt., 10c.

Celosia (Coxcomb) *aksFHU*

Chinese Woolflower (30") — Rapid grower with many branches terminating in a flower head resembling a ball of colored wool. The color remains unfaded with frost. Pkt., 10c; 1/8 oz., 30c.

Crested Dwarf Mixed (15")—Fine dwarf habit with broad compact plumes resembling giant rooster combs. Pkt., 10c; 1/16 oz., 35c.

Pride of Castle Gould—Large, fluffy, ostrich-feather-like plumes of yellow, scarlet, crimson, and orange in mixture. Pkt., 10c. 1/16 oz., 25c.

Plumosa, Finest Mixed—2½-3 ft. Pkt., 10c; 1/8 oz., 25c.

Cerastium (Snow in Summer) (6") *ckuxBJN*

Tomentosum—Snow-white flowers stand above the silvery foliage. The foliage is attractive at all seasons. Pkt., 10c. Plants, 3 for 70c; 10 for $1.85.

Centaureas

Cyanus Blue Boy—Large, fully double flowers of intensified blue. Long stems for cutting. Pkt., 10c; 1/8 oz., 25c.

Cyanus Jubilee Gem akuBGN (12")—Charming compact plants literally covered with vivid blue flowers. Beautiful flower of recent development. Pkt., 10c; 1/8 oz., 25c.

Cyanus Mixed (Bachelor Buttons) akrBGN (24") — A double flowering mixture of many colors. Pkt., 5c; 1/4 oz., 25c.

Imperialis Mixed (Sweet Sultan) akrBGN—These large, long-stemmed, sweet-scented flowers are exquisitely fringed and truly graceful in appearance. Pkt., 10c; 1/4 oz., 40c.

Cheiranthus (Siberian Wallflower)

Golden Bedder aknsBJN (12")—A very free-flowering plant producing golden yellow flowers. Pkt., 10c.

Cushion Chrysanthemums *dksuDS*

Plants in this popular group form low bushy mounds 12-15 inches across which are entirely covered with Azalea-like blooms two inches in diameter. They begin flowering in early September and continue until frost. We offer the four leading colors.

Bronze Cushion—Light buff bronze.
Rose Cushion—Rose-pink.
White Cushion—White, tinted pink when they first open.
Yellow Cushion—Clear bright yellow.

Price, all of above, 3 for $1.00; 10 for $2.65. Postage and packing, 15c for 3; 40c for 10.

Early Flowering Chrysanthemums *dksuDS*

Varieties marked * appear in color on page 29.

Apollo (36") Oct. 15 — A Sparkling combination of bronze, red, and gold, suffused with salmon. Single. Very hardy.

***Caliph** (36") Oct. 15—Medium sized flowers of deepest maroon-red; center petals slightly incurved.

Country Girl (36") Oct. 20—Vigorous permanent plants that supply an abundance of single 3½-inch flowers in a lovely shade of glistening pink with tones of soft lilac-pink.

Daphne (30") Oct. 15—Exquisite soft pink with a tint of rose, enhanced by the golden stamens in the center. The upper part of the plants are a solid mass of the beautiful semi-double frost resistant blossoms.

***Ember** (36") Oct. 15—A brilliant glowing bronze combining shades of coral and orange. Very beautiful double flowers and the most hardy of our entire list.

***Glory of Seven Oaks** (24") Oct. 1—Bright golden yellow and fully double. The earliest yellow.

Golden Glow (36") Oct. 15—Beautiful fully double yellow blooms grow to 3 inches across without disbudding.

Granny Scovill (30") Oct. 15—One of the loveliest of garden mums. Flowers 4½ inches across, full, well formed, and the color a clear warm coral bronze.

Jean Cummings (48") Nov. 1—Large pure white flowers with creamy suffusion in the center are borne at the top of long, sturdy stems.

King Midas (36") Oct. 10—Large, fully double flowers of beautiful soft yellow. Branchy and very free-flowering.

Lillian Doty (48") Nov. 1—Large, almost spherical blossoms of very beautiful rose-pink on tall stems.

Rapture (36") Oct. 25—Lovely double flowers combining a beautiful deep orange-red with a lively suffusion of bright carmine.

Rio Narda (36") Nov. 1—A giant cactus type with blossoms 6" across. The color is very attractive silvery lavender. A chrysanthemum aristocrat.

Symphony (36") Oct. 20—Shades of deepest rose with copper in a truly symphonic blend. Very desirable.

Price, all of above, 3 for 90c; 10 for $2.50. Postage and packing, 15c for 3; 40c for 10.

Button or Pompon Chrysanthemums *dksuDS*

This small flowered group is unusually effective in the garden, and the dainty flower clusters are particularly useful for table and room decoration. Plants grow 24 to 30 inches tall and bloom profusely.

Early Bronze Sept. 25—Light bronze, flecked yellow.
Ethel Nov. 1—Miniature, bronzy red.
Irene Oct. 15—White.
Jewel Oct. 15—Deep rose.
Judith Anderson Oct. 15—Yellow, shaded orange in center.
Skibo Oct. 10—Clear yellow.

Price, all of above, 3 for 90c; 10 for $2.50. Postage and packing, 15c for 3; 40c for 10.

Celosia Plumosa

Chrysanthemum Maximum (Shasta Daisy)

Alaska cjsCJ (24")—Produces a wonderful show of large, white, single flowers. Seed only, Pkt., 15c.

Diener's Double Hybrid Mixture cjsCJ (30") —This class contains a wide variety of flowers measuring 3"-4" across, ranging from full doubles to semi-doubles and singles. Some have broad petals and others are narrow and twisted or curled. Seed, Pkt., 25c. Plants, 3 for 90c; 10 for $2.50.

Mount Shasta djrsC (30") — The aristocrat among Shasta Daisies. A beautiful pure white, high crested, fully double flowers 4" across. The sturdy, erect stems add to its remarkable character. Plants only, 3 for $1.50; 10 for $4.50.

Canterbury Bells

Clarkia (1′) *aksFHN*

Elegans Double Mixed—The flowers are best described as resembling sprays of Double Flowering Almond. Pkt., 10c; 1/8 oz., 40c.

Cleome (4′) *ajstFGN*

Pink Queen (Spider Plant)—This very interesting novelty is sure to become a favorite everywhere. It is never out of bloom. Pkt., 15c; 1/8 oz., 40c.

Cobaea Scandens (30′) *ajtHK*

Handsome, rapid growing climber; flowers are bell-shaped and open a clear green, but turn a beautiful purplish lilac. Seed should be sown edgewise. Pkt., 10c; 1/8 oz., 30c.

Columbine

(See Aquilegia, page 22)

Coreopsis *cjrsFJN*

Lanceolata Grandiflora — Large, deep yellow flowers on long, graceful stems. Bloom incessantly. Pkt., 10c. Seed only.

Sunburst—Striking new, large, semi-double golden yellow. Grows 24″-30″ high. Pkt., 10c; 1/8 oz., 25c.

Plants, 3 for 70c; 10 for $1.85.

Cosmos *ajstFHN*

Plants of graceful beauty, fine feathery foliage, and large flowers.

Early Single Mixed (5′)—Pkt., 5c; 1/4 oz., 25c.

Early Double (5′)—Pkt., 10c; 1/16 oz., 35c.

Early Orange Flare (4′)—Pkt., 10c; 1/4 oz., 30c.

New Yellow Klondike (New)—Bright yellow. Pkt., 10c; 1/4 oz., 30c.

Giant Early Flowering Sensation (5′-6′)—The unusual size (3-4″ diameter) of the Sensation Group and its new individual colors are putting Cosmos "Back on the Map" in many gardens.

Dazzler—Rich, deep crimson.

Pink—Illustrated in color on page 20.

White—Pure and glistening.

Mixed Colors—Many beautiful shades.

Pkt., 15c; 1/4 oz., 30c.

Pacific Hybrid Delphiniums

Digitalis
(Foxglove)

Cynoglossum (Chinese Forget-Me-Not)

Firmament ajsFH (18″)—A new dwarf type of Chinese Forget-Me-Not with flowers of vivid indigo blue. Bronze Medal Winner. Pkt., 10c; 1/4 oz., 30c.

Dahlia *afksDHL*

Coltness Hybrids, Mixed (24″) — Single flowers, dwarf plants. Pkt., 15c.

Unwin Hybrids, Mixed (24″)—Miniature double colorful flowers. Pkt., 15c.

Dahlia Roots—See pages 49-50.

Delphinium (72″) *cjtBJS*

Pacific Giant Hybrids—Since the introduction of this superb class of Delphiniums it has become everyone's favorite. The huge florets 2 1/2″ and more in diameter are practically 100% double. Our seed stock comes directly from the originator and our plants are grown from especially selected strains.

***Clear White** — ***Guinevere Series**
***Dark Blue** — **Light and Medium Blue**

***Round Table Series**—Many different crosses and blends are included in this mixture.

Summer Skies—Clear blue.

Seed Pkt., 50c.

Plants of those marked (*), 3 for $1.10; 10 for $3.00.

Wrexham and Belladonna Types—For garden color as well as for cutting these Delphiniums hold an important place in the flower world. The plants are long-lived and bloom a remarkably long time each season.

Cliveden Beauty—Clear light blue.

Lamartine — Deep Gentian blue with cream center. (plants only).

Wrexham Hybrids Mixed—Tall straight spikes of many shades, including pale blue, lavender, orchid, and deep blue.

Pkt., 25c. Plants, 3 for 90c; 10 for $2.50.

Dianthus (Garden Pinks)

Best Single Mixed ajsBN (10″)—See illustration below. Pkt., 10c; 1/4 oz., 30c.

Best Double Mixed ajsBN (10″)—Pkt., 10c; 1/4 oz., 50c.

Caesius (Cheddar Pink) cjuBJ (6″)—Attractive compact tufts only a few inches high, from which spring the sweet-smelling, rose-colored flowers in great profusion. Pkt., 15c. Plants, 3 for 70c; 10 for $1.85.

Deltoides cjquBJ (4″) (Maiden Pinks) — A charming creeping variety producing many bright Carmine blossoms. Pkt., 15c. Plants, 3 for 70c; 10 for $1.85.

Digitalis (Foxglove) (48″) *bosBJN*

Gloxiniaeflora Mixed—For stately and picturesque beauty, these are not to be surpassed. The long, tubular, spotted flowers hang in a mass on spikes 2′-3′ long. Mixture includes purple, rose, yellow, and white. Pkt., 10c.

GloxiniaefloraRosea—A beautiful rose-colored form of the type above.

Plants, either of above, 3 for 70c; 10 for $1.85.

About Postage:

Plants are not postpaid. If by mail, remit postage extra, 15c for 3, 40c for 10. Flower seeds postpaid.

Dianthus Single

Dolichos (10′) *ajtBCHN*

Hyacinth Bean—A rapid-growing annual climber with showy pea-shaped flowers followed by ornamental seed pods. Pkt., 10c; oz., 40c.

Euphorbia (30″) *ajsBHR*

Variegata (Snow on the Mountain)—Foliage edged white and green. Pkt., 10c; ¼ oz., 25c.

Four O'clocks (Mirabilis) (2′) *ajsFH*

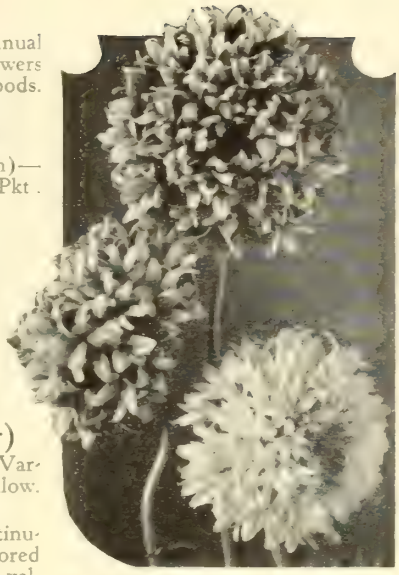
Showy plants that do well everywhere. Flowers open in the afternoon except on cloudy days when they bloom all day.

Mixed Colors—Pkt., 10c; ½ oz., 25c.

Gaillardia (Blanket Flower)

Grandiflora Mixed ckqFJN (18″)—Variegated with shades of red and yellow. Pkt., 10c.

Picta Double Mixed ajsFHN—Continuous profusion of brilliantly colored flowers in rich shades of red and yellow. Pkt., 10c; ¼ oz., 40c.



Gaillardia Picta Double Mixed

Helianthemum (8″) *ckuBU*

Fireball—Bright scarlet, double flowers. One of the most beautiful perennials. Plants, 3 for 90c; 10 for $2.50.

Hemerocallis (40″) *djsC*

Hyperion—Flowers are a fine citron-yellow, produced in great number on stout stems. Experts consider Hyperion the finest Hemerocallis to date. Plants, 75c each; 3 for $2.00.

Helichrysum (2′) *akrsCHN*

Strawflower—Helichrysums are an ornament to the garden and are everywhere prized for winter bouquets.

Mixed, all colors—Pkt., 10c; ¼ oz., 45c.

Heuchera (Alum Root)

Sanguinea cjsBJ (18″)—Long stems of large crimson-scarlet flowers. Seeds, Pkt., 25c. Plants, 3 for 70c; 10 for $1.85.

Hibiscus (Mallows) (4′) *cktCJU*

Mixed Mallow Marvels — Shrub-like plants with handsome green foliage, bearing large bright flowers from 3 to 5 inches in diameter. Seed, Pkt., 10c.

Geum (18″) *cjrBCJS*

Fire Opal—Has the rich warm coloring of glowing embers. Its rich green deeply veined foliage is also extremely attractive.

Mrs. Bradshaw—Large, double, rich, scarlet blossoms. Pkt., 10c. Plants, either of above, 3 for 70c; 10 for $1.85.

Godetia (12″) *ajsFH*

People who live in higher valleys where the summers are not too hot will find these showy flowers unexcelled.

Duke of York—Scarlet, edged white.

Kelvedon Glory—Glowing salmon-orange.

Sybil Sherwood—Bright salmon-pink.

Any of above—Pkt., 10c.

Double Mixed—Pkt., 10c; ¼ oz., 35c.

Gourds (10′) *akEHU*

Large Gourd fruits make attractive decorations at harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others.

Small Varieties Mixed—Pkt., 10c; ½ oz., 35c.

All Varieties, Mixed—Pkt., 5c; ½ oz., 35c.

Gypsophila

Elegans London Market ajrBH (2′)—Large, pure white. Several sowings will keep up a supply. Pkt., 10c; ½ oz., 30c.

***Paniculata** (Baby's Breath) ckrBJN (2′-3′)—Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Seeds, Pkt., 10c.

***Repens Alba** ckmuCJN (3″)—A beautiful trailing plant with clouds of small white flowers. Pkt., 15c.

Plants of varieties marked (*), 3 for 70c; 10 for $1.85.

Hollyhocks (6′) *cktBJN*

Their great spikes of bloom are "Flowers of Beauty" to the garden picture.

Double Varieties

*Crimson Maroon	Scarlet *Rose	Salmon White	*Yellow Mixed

Seed, Pt., 10c; ⅛ oz., 50c.

*Plants of these colors only, 3 for 70c; 10 for $1.85

Iberis (Perennial Candytuft) *cjuBJ*

Gibraltarica (8″)—Dwarf evergreen plants covered with heads of delicate lavender-white. Seed only, Pkt., 15c.

Sempervirens (6″)—This variety forms a sheet of pure white. Seed only, Pkt., 15c.

Kaempferi Iris (2′-3′) *djnrsBQ*

The last of the Iris species to bloom. Their remarkable flowers are generally rather flat and wide. They are the most beautiful of all Irises, and should be planted in either early spring or fall in acid-soil.

Fascination—Double mauve-pink, veined with white.

Gold Bound—Double pure white, gold banded center.

Koko-No-Iro—Double royal purple, yellow center.

Mahogany—Double purple mahogany-red.

Uchiu—Cerulean blue, veined white, gold center.

Any of the above, 3 for $1.40; 10 for $3.75.

Gourd Small Varieties Mixed

Give Your VICTORY GARDEN a BORDER of FLOWERS

Godetia Upright Single Duke of York

See page 77 for legend on key letters immediately following variety name

Stately Bearded Iris

The bearded Iris is usually planted from June through September. If planted in the Spring they cannot be expected to bloom the first year. However, Iris orders received in the spring will be promptly filled if varieties are available. Others will be filled at proper planting time.

Our Iris list for 1944 includes the most outstanding varieties obtainable in the moderate price range. We have denoted the relative time of blooming by the following letters: E—early, EM—early midseason, M—midseason, and LM—late midseason. (AM) denotes award of merit. The letter S means standards and F denotes falls, the two main parts of the flower.

China Maid (Milliken 1936) (AM 1939) 38" EM—A large flower of lovely rose-pink subtly washed with golden bronze and soft lilac. One of the best of the new pinks. Price, $1.00 each.

Dauntless (Connell 1929) (Dykes Medal Winner) 40" M—S. Light rose mauve, F. dark rose-red. The general effect is a rich deep red. Among the leaders of its class. Price, 3 for 50c.

Depute Nomblot (Cayeux 1929) (Dykes Medal) 48" LM—The standards are rosy-purple, the falls a rich claret-crimson, with bright beard. The whole flower is dusted bronze. Price, 25c each; 3 for 65c.

Golden Treasure (Schreiner 1936) (AM) 36" M—An exquisite shade of rich cream with a radiant golden light throughout the center of the bloom. Price, 50c each.

Great Lakes (Cousins 1938) (Dykes Medal 1942) 40" M—This is the very finest pure light blue Iris. It was rated tops by the American Iris Society last season. Its branching and form are unsurpassed. Perfectly hardy. Roots, $1.75 each.

Gudrun (K. Dykes 1926) (AM) 32" E—A very large white self with conspicuous orange beard and golden haft markings. Price, 30c each; 3 for 75c.

Happy Days (Mitchel 1934) (AM) 36" E—Giant flowers of medium deep yellow on strong stalks. Price, 25c each; 3 for 60c.

Los Angeles (Mohr-Mitchel 1927) 40" M—Plicata. Standards of snowy-white, lightly veined violet at the haft, with soft yellow beard. Price, 30c each; 3 for 75c.

Missouri (Grintner 1933) (Dykes Medal) 36" LM—The giant blooms are a clear rich shade of medium blue with brown veinings at the haft. Fragrant. Price, 40c each; 3 for $1.00.

Naranga (Mitchel 1935) (AM) 36" M—S. pure deep gold, F. gold washed orange-brown. One of the few orange-toned sorts. Price, 35c each; 3 for 90c.

Shining Waters (Essig 1933) 36" M—An exquisite Iris reflecting the unclouded blue of a mountain lake at sundown. Well branched and flowers wonderfully symmetrical. Price, 30c each; 3 for 75c.

Snowking (H. Sass 1935) (Am. 1937) 36" M—One of the finest pure white modern iris. Perfectly formed giant flowers on evenly branched stems. Price, 35c each; 3 for 90c.

The Red Douglas (J. Sass 1937) (Dykes Medal 1941) 36" M—A vibrant red of plush-like substance, the rich violet-red ground color is generously washed with bronze. The blooms are large and well formed, with tall well branched stems. Recommended as one of the most sensational of the new reds. Price, $1.25 each.

Tiffany (H. Sass 1938) 32" M—An unusual plicata having yellow instead of white as the background. The broadly patterned stitching is deep-rose lilac. The flowers are of excellent form. Price, 75c each.

Wabash (Wmsn. 1936) (Dykes Medal 1940) 39" M—By all odds the best of the amoena class. S. Snowy white and ruffled. F. Hyacinth-violet with white margin. Hardy and free blooming. The flowers of heavy substance and classical form. Price, $1.25 each.

William Mohr (Mohr 1925) 30" EM—S. Deep lilac. F. Lilac. The whole immense flower is beautifully veined manganese violet. A remarkable hybrid. Price, 25c each; 3 for 65c.

Iris Pumila (10") *dkmuBNR*

White, violet-blue and yellow. 3 for 50c; 10 for $1.50; 100 for $12.50.

Siberian Iris (36") *djklrsBN*

An established clump often produces fifty or more flowering stalks. Grows long, thin, tubular stems with ornamental grass-like foliage.

Duchess of York—Standards dark violet; falls large, circular, rich blue.
Mrs. Rowe—A silvery white, flushed rose.
Thelma Perry—Large, China blue flowers with a white throat.
Any of above Siberian Iris, 3 for 70c; 10 for $1.85.

Kochia (30") *aksDU*

Childsii (Burning Bush)—Resembles a close-clipped ornamental evergreen. In Autumn becomes blood-red. Pkt., 5c; ½ oz., 25c.

Larkspur (4'-5') *akrsFGN*

Giant Imperial—This type has superseded all others for florists' and garden use. The delphinium-like spikes of double flowers are compactly placed on the upright growing plants, requiring only about one-half the space needed for the old stock flowered type of Larkspur. **(See page 20 for color.)**

Rosalind—Rose suffused salmon.

Blue Bell—Blue.	**Lilac Spire**—Lilac.
Carmine King—Carmine.	**Los Angeles**—Salmon.
Daintiness—Lavender.	**Peach Blossom**—Pink.
Exquisite Rose—Pink.	**White Spire**—White.

Giant Imperial Mixed — These and other beautiful shades.
Price—Any of above, Pkt., 10c; ¼ oz., 50c; 1 oz., $1.35.

Lathyrus Latifolius (8') *cjqxFJ*

Everlasting Pea — Very decorative climbing vines of the pea family for growing on fences, trellis, etc. Pink, White, Crimson and Mixed. Pkt., 10c; ¼ oz., 50c.

Liatris (48") *cjrsCJN*

Pyconostachya — A very hardy midsummer blooming variety, producing richly colored purple flowers on long spikes. Plants, 3 for 70c; 10 for $1.85.

Scariosa, Sept. Glory — Giant spikes solidly covered from top to bottom with purple flowers, all coming in bloom at the same time. Pkt., 50c. Plants, 3 for 90c; 10 for $2.50.

Scariosa, White Spire—Similar to September Glory in size and season, but a beautiful pure white spire. When cut they blend beautifully with Gladiolus. Pkt., 50c. Plants, 3 for 90c; 10 for $2.50.

Lily-of-the-Valley

American Pips (for outside planting only)—Extra strong. Pips, 25 for $1.50; 100 for $5.50; 250 for $8.75.

Linum (Flax)

Perenne (Blue Flax) cjsFJN (18")—Graceful foliage and blue flowers all summer. Pkt., 10c; ¼ oz., 30c.

Grandiflora Rubrum (Crimson Flax) ajsCH (2') — Brilliant glowing crimson-rose. It will produce a wealth of flowers from May to October if seeds are sown successively. Pkt., 5c; ¼ oz., 20c.

Lobelia (6") *akuFKS*

Crystal Palace Compacta — Rich, deep blue, dark foliage. Pkt., 10c; 1/16 oz., 45c.

Lunaria (Honesty) (36") *ajsCG*

Annus (Biennis) (St. Peter's Penny)—Flowers purple, followed by silvery seed pods, prized for winter decoration. Pkt., 10c; ⅛ oz., 25c.

Lupinus

Hartwegi Giant Mixed ajtCK (36")—It is the best annual type by all odds. Pkt., 10c; ¼ oz., 35c.

Russell Strain cjsCM (36") — Long, well-rounded symmetrical flower spikes of striking beauty. The color range is enormous and unique in character. Gold Medal, Royal Horticulture Soc., 1937. Pkt., 25c. Plants, 3 for $1.50; 10 for $4.00.

Lythrum (42") *cjrCJS*

Roseum—Long spikes of rosy red blossoms are very pretty and help to fill in during the midsummer lull in the garden. Pkt., 15c. Plants, 3 for 90c; 10 for $2.50.

Marigold *ajstFHK*

Mission Giant Goldsmith (48″)—Winner Bronze Medal 1941. A rich, golden orange. Pkt., 10c; 1/16 oz., 25c.

Gigantea Sunset Giants (Full Double Mixture) (48″)—Remarkable sweet-scented, robust grower, extremely large flowered, ideal for show purposes, florist use and garden decoration. Pkt., 10c; 1/16 oz., 30c.

African Orange Alldouble (48″)—Splendid orange. Pkt., 10c; 1/8 oz., 50c.

African Lemon Alldouble (48″)—A clear lemon yellow. Pkt., 10c; 1/8 oz., 50c.

African Tall Mixed (48″)—Extra large double flowers. Pkt., 10c; 1/4 oz., 35c.

Miniature (French Double) Spry (9″)—Winner Silver Medal 1941. Clear yellow, crested center, with mahogany-red guard petals. Pkt., 10c; 1/8 oz., 30c.

Dwarf French Butterball (6″-10″)—Double canary-yellow flowers in continuous bloom. Pkt., 10c; 1/8 oz., 30c.

Dwarf French Double Monarch Strain (20″)—A greatly improved strain, very compact with large double flowers in a wide range of colors in combinations of orange, bronze, yellow, and mahogany. Pkt., 10c; 1/4 oz., 35c.

Dwarf French Double Harmony Hybrids (12″)—100% All Double flowers average 1 3/4 inches in diameter. One of the outstanding introductions. Pkt., 10c; 1/4 oz., 30c.

Sunkist—Silver Medal Winner 1943. The tiny six to eight-inch mound-like plants are literally covered with blossoms. Grand for bedding, borders or pot culture. Pkt., 15c; 1/8 oz., 25c.

Signata Pumila (Gnome) (6″)—Dwarf plant, with delicate, fern-like leaves, densely covered with single flowers of bright golden yellow. Pkt., 10c; 1/8 oz., 35c.

Morning Glories and Moonflowers *ajCDHK*

Scarlet O'Hara—Rich, dark rosy-crimson blossoms of good size. Pkt., 10c; 1/8 oz., 35c. **See color page 20.**

Pearly Gates (New)—A grand early flowering pure white. It companions Heavenly Blue in its nature of growth, size and quantity of bloom. Pkt., 10c; 1/8 oz., 35c.

Heavenly Blue Early Flowering—Sky blue, shading golden yellow in throat; extremely early. **See color illustration, page 20.** Pkt., 10c; 1/4 oz., 30c.

Tall Mixed—All colors. Pkt., 5c; 1/2 oz., 20c; oz., 35c.

White Moonflower—Night blooming. Pkt., 10c; 1/4 oz., 25c.

Mignonette (12″) *ajrFH*

Machet—Produces several spikes of greenish-rose and white flecked blossoms which are highly prized for fragrance. Pkt., 5c; 1/4 oz., 25c.

Myosotis (Forget-Me-Not)

Alpestris Royal Blue boquBJS (4″)—These will form a compact carpet of deep blue flowers. Pkt., 10c; 1/16 oz., 30c.

NASTURTIUMS *aksuFHR*

New Double Sweet Scented (12″)

Indian Chief—Brilliant scarlet with dark foliage. The contrast of foliage and flower is unusually striking.
Golden Gleam—A blaze of golden yellow.
Scarlet Gleam—Fiery orange-scarlet.
Gleam Hybrids—A gorgeous color array.
Any of above—Pkt., 10c; oz., 45c.

Single Nasturtiums

Best Tall Single Mixed (24″)—Pkt., 5c; oz., 30c.
Best Dwarf Single Mixed (12″)—Pkt., 10c; oz., 35c.

About Postage: Plants are not postpaid. If by mail, remit postage extra, 15c for 3, 40c for 10. All flower seed postpaid.

Nepeta (Ground Ivy) (6″) *cjqCJ*

Mussini—Neat bushes of small mint-like foliage covered with spikes of lavender-blue. Seeds, Pkt., 25c. Plants, 3 for 70c; 10 for $1.85.

Nicotiana (Tobacco Plant) *ajsCG*

The flowers open toward evening and emit a fragrant perfume.

Crimson Bedder (15″)—The flowers are of a rich deep crimson. Pkt., 15c; 1/16 oz., 30c.

Affinis Choice Mixed (2′)—Pkt., 10c; 1/4 oz., 30c.

Nigella (Love in the Mist) (15″) *aksFHN*

Miss Jekyll—Flowers of a lovely, tender blue, nestling in fine, feathery foliage. Pkt., 10c; 1/4 oz., 45c.

Nemesia (15″) *aksFHN*

Large Flowering Mixture—Pleasing masses of low growth. The lovely orchid-like flowers bloom in a wide range of colors. Pkt., 15c; 1/16 oz., 50c.

Pentstemon (24″) *dksBJU*

Garnet—This outstanding novelty produces many long spikes completely covered with rich, garnet-red blossoms. Very desirable. Plants only, 3 for $1.10; 10 for $3.00.

Pansies (5″) *akruFJS*

Giant International Mixture—It includes the richest reds, coppers and bronzes, together with the most delicate rose-pink shadings. Pkt., 50c; 1/16 oz., $1.25.

Roggli's Swiss Giant—Substantial, well-rounded, huge flowers are supported by long stems. Flowers measure as large as 4-5 in. across. Pkt., 50c; 1/32 oz., $1.00.

Steele's Miracle Mixed—This is one of the most colorful mixtures of mammoth pansies. Pkt., 50c; 1/16 oz., $1.00.

Rocky Mountain Giants—A fine Swiss strain grown in our own Rocky Mountains. It has been outstanding in our trials for balance of colors and large size of blooms. Pkt., 50c; 1/16 oz., $1.00.

Swiss Giants in Colors
Coronation Gold—The best true golden yellow.
Alpinglow—Rich garnet-red.
Rhinegold—Large yellow with dark center.
Lake of Thun—Deep blue, darker center.
Prices of any of above, Pkt., 50c.

PANSY PLANTS—Giant flowering plants carefully grown from the world's finest strains. Price, 50c per doz. Plants ordered by mail will be wrapped in 1/2 dozens. Add 15c per doz. for postage and packing. Express shipments will be packed 12 plants per basket (4 baskets per crate).

Marigold Dwarf French Harmony

Giants of California

PETUNIAS *ajsFKL*

Fringed Giant Flowering Types

Dwarf Giants of California (Ramona Strain) — Dwarf, ruffled and fringed, with open, well-marked throats. Pkt., 50c.

Giants of California (Finest Mixed)—These are of great beauty, including fringed and deep-throated sorts in endless variety of colors. Pkt., 35c.

Super Fluffy Ruffles—So ruffled and frilled that the flowers have the appearance of being double. Flowers are very large with a large throat. Pkt., 50c.

Ruffled Monsters—Giant flowers with large throat and exquisitely ruffled edges; many bewitching shades and colors. Pkt., 50c.

Double Flowering Types

America—Winner of the Silver Medal Award for 1943. Neat dwarf plants bearing a profusion of lovely rose pink blossoms.

Mixture—Colors and tints beautifully blended.
Price, either of above, Pkt., 50c.

Single Giant Flowering

Elk's Pride (Improved Purple Prince)—Largest, darkest, and best velvety purple. Pkt., 50c; 1/64 oz., $2.00.

Single Bedding Types

For continuous profusion of bloom, vivid coloring, and ease of culture this class of Petunias is unsurpassed. The newer varieties are of more dwarf habit, very neat and compact.

Celestial Rose (12-15")—A beautiful rich satiny rose. Pkt., 15c; 1/16 oz., 50c.

English Violet (12-15")—All America flower selection for 1943. Purplish Violet. Pkt., 25c.

Howard's Star (18-24") — Velvety purple, White Star. Pkt., 10c; 1/8 oz., 50c.

Hybrida Mixture (18-24")—Unending variety of color. Pkt., 10c; 1/8 oz., 50c.

Igloo (12-15")—All America Bronze Medal Winner for 1943. Creamy White. Very compact plants. Pkt., 25c.

Radiance (18")—Cerise Rose with an undertone of Salmon. Pkt., 15c; 1/8 oz., 50c.

Snowball (12-15")—Compact, pure Satiny White. Pkt., 10c; 1/16 oz., 60c.

Topaz Rose (15-18")—Fiery rose with a topaz throat. Pkt., 15c; 1/8 oz., 50c.

Velvet Ball (10")—Very compact. Produces a domed mound of velvety blood red blossoms. Pkt., 25c; 1/64 oz., $1.00.

Balcony Petunias

Trailing habit. Excellent for window or porch boxes.
White, Rose, Blue, Red and **Mixed.**
Any of above, Pkt., 15c; 1/32 oz., 35c.

Annual Phlox *akosFKN*

This family produces the gayest colors of all. The plants are well branched and make a most attractive and continuous display.

Drummondi (15")—Exquisite Mixture. Pkt., 10c; 1/8 oz., 50c.

Nana Compacta (6")—Dwarf Mixture. Pkt., 15c; 1/8 oz., 60c.

Phlox Hardy (Decussata) (30") *dosCU*

(See page 30 for color illustrations)

Africa—Carmine red, blood red eye.
Caroline Vandenburg—Magnificent lavender-blue.
Colonial—Strong grower and blooms for a long period of time. Light blue with an undertone of rose.
E. I. Farrington—Salmon-pink to soft pink.
Leo Schlageter—New brilliant scarlet-red overcast glowing orange.
Lillian—Lovely pure salmon-pink, resembling Columbia.
Mrs. Jenkins (Independence)—Still the best pure white.
Widar—Large violet florets with clear white eyes create an unusual effect. 3 for $1.10; 10 for $3.00.
Any of above, except where otherwise noted—3 for 90c; 10 for $2.50.

Phlox Subulata (Moss or Mountain Pinks) (6") *djuxB*

Alba—Pure white flowers in May. Moss-like compact foliage. 3 for 70c; 10 for $1.85.
Atropurpurea—Deep carmine red. Brilliant display.
Blue Hill — Compact growth, showy pale blue flowers. Blooms spring and again in fall.
Dixie Brilliant (Nivalis Sylvestris)—Dense moss-green foliage, completely covered with large rosy red flowers in early spring. 3 for $1.10; 10 for $3.00.
Lilacina—A strong growing variety completely covered with light lilac flowers. The foliage stays green all winter. 2-yr. plants.
Vivid—Bright pink, loveliest dwarf Phlox to date. 3 for $1.10; 10 for $3.00.
Any of above, except where otherwise noted—3 for 90c; 10 for $2.50.

Platycodon (2') *cjsCJ*

Grandiflorum Blue—Large, showy, deep blue flowers on 20 in. spikes. Pkt., 15c. Plants, 3 for 70c; 10 for $1.85.

Annual Poppies *aks*

American Legion — Lovely, single, bright orange-scarlet, white maltese cross. Pkt., 10c; 1/4 oz., 25c; oz., 75c.

Shirley, All-Double Mixture — Re-selected all-double blooms with the full range of colors found in both old and new. Pkt., 10c; 1/4 oz., 25c.

Shirley, Single Mixed—Satiny flowers of various colors. Pkt., 10c; 1/4 oz., 25c.

Iceland Poppies *cjsFJU*

SANFORD'S GIANTS MIXED

This new strain of Iceland Poppies, we believe is the finest obtainable. Great care in selection and re-selection has prdouced a wonderful color balance, immense flowers and greater length of stems. Seed only. Pkt., 50c.

Oriental Poppies *cksBJN*

Field grown roots of Oriental Poppies can be supplied beginning in August.

May Sadler—One of the finest salmons.
Pink Radiance—Its name describes the lovely coloring of this stately flower.
Toreador—Dark crimson with large black blotch.
Plants of above, 3 for $1.35.
Oriental Hybrids—Mixed colors. Seed only, Pkt., 15c.

CALIPH GLORY OF SEVEN OAKS EMBERS

(Above)
PINK CUSHION CHRYSANTHEMUM
See page 23

(At right)
BUTTON OR POMPON CHRYSANTHEMUMS
See page 23

Offer No. 429

3 hardy, dependable, early flowering Chrysanthemums, illustrated in color above, each a leader in its class. **2 Caliph - 2 Glory of Seven Oaks - 2 Embers,** 6 plants in all (reg. value $1.55) all postpaid for only **$1.50**

Don't fail to check all varieties of Hardy Chrysanthemums. Complete descriptions and prices on page 23.

Offer No. 429B

Cushion Chrysanthemums. These low-growing Mums form mounds of Azalea-like blooms. Plants grow 12-15 inches high and spread 2 feet or more. They begin flowering quite early and are literally covered with hundreds of flowers which last over a long period. We offer the four leading colors: **Pink Cushion, Bronze Cushion, White Cushion, Yellow Cushion.** 2 ea. of above (reg. price $2.35) postpaid **$2.25**

Offer No. 429A

BUTTON OR POMPON MUMS. This small flowered group is unusually effective in the garden and the dainty flower clusters are particularly useful for table and room decoration. Plants grow 20-24 inches tall

Early Bronze **Ethel**—Red
Irene—White **Jewel**—Rose-pink
Judith Anderson—Yellow

OFFER 429A
(2 each of above varieties) postpa d for..... **$2.25**

(Above) **DELPHINIUMS, WREXHAM'S HYBRIDS**

Strong plants of the above hardy strain lasting in the garden several years. Mixed colors **3 for 90c; 10 for $2.50** (if by mail, add extra 15c for 3; 40c for 10 for packing and postage). See page 24.

AQUILEGIA (Columbine)

Mrs. Scott Elliott's Hybrids in wonderful color mixture. Large 2-year plants—**3 for 75c; 10 for $2.00.** (Add extra for postage if by mail 15c for 3; 40c for 10.)

Description of all our **PHLOX** on page 29

(Upper) **WIDAR**
(Lower) **E. I. FARRINGTON**

AFRICA

(Upper) **MRS. JENKINS**
(Lower) **LILLIAN**

P.-W.'s Offer 430

Consists of one each of the colorful five varieties of Hardy Phlox shown in color at left. 5 strong roots in all. Prepaid for only

$1.50

Portulaca (Moss Rose)

P.-W.'s Large Flowering Single Mixed—Pkt., 15c.

P.-W.'s Double Mixture—Pkt., 25c.

Primula (Cortisoides) (8″) *couBJSU*

Lovely rose colored flowers on naked stems above a cluster of soft wrinkled heart-shaped leaves. Plants only. Price, 3 for 90c: 10 for $2.50.

Salvia America

Primula (Polyanthus) (8″) *cluAMS*

Giant Munstead Strain—A wonderful improved strain of English polyanthus bearing giant flowers in many new and desirable colors. Plants only, 3 for 90c; 10 for $2.50.

About Postage:

Plants are not postpaid. If by mail, remit postage extra, 15c for 3, 40c for 10. All flower seeds postpaid.

Pyrethrum Roseum Single

Pyrethrum (Painted Daisy) (24″) *cjrBJ*

Roseum Single and Double Mixed—An excellent variety of colors. 15% to 25% of the plants produce double flowers. Seed—Pkt., 25c. Plants—3 for 70c; 10 for $1.85.

Ricinus (Castor Bean) (12′) *ajntHS*

Zanzibariensis Mixed—The ornamental leaves beautifully lobed are 2½ to 4 feet across. Each plant makes a perfect pyramid of foliage. Pkt., 5c; oz., 30c.

Salpiglossis (30″) *ajsCG*

Most attractive; should be in every garden. Each flower is veined with a glint of gold.

Emperor Finest Mixed—Large improved strain, complete range of colors. Pkt., 10c; ¼ oz., 45c.

Salvia (Scarlet Sage) *aksDLP*

America or Globe of Fire (18″)—Flowers of richest glowing red, large dark green leaves. Pkt., 25c; 1/16 oz., 75c.

Splendens (30″)—Bright scarlet. Pkt., 10c; 1/16 oz., 50c.

Saponaria (6″) *cjquBI*

Ocymoides — Very showy, producing masses of small, bright rose flowers. Pkt., 10c. Plants, 3 for 70c; 10 for $1.85.

Schizanthus (15″) *aksCKN*

Dr. Badger's Improved Giant Flowered Hybrids—Outstanding brilliant flowers, ranging in color from light pink to deep purple. Pkt., 25c.

Large Hybrids, Mixed—All colors. Pkt., 10c.

Scabiosa *ajrFL*

Blue Moon (Imperial Giant)—Large, fully double blooms of deep lavender-blue produced on long, strong stems, making them good for cutting. Pkt., 15c; ¼ oz., 45c.

Rosette—New large flowered variety of lovely color tones. Pkt., 10c; ¼ oz., 45c.

P.-W.'s Giant Hybrids, Mixed—Includes all the new and rare colors. An unrivaled mixture. Pkt., 10c; ¼ oz., 35c.

Shasta Daisy

See **Chrysanthemum Maximum**—page 23.

Sedum *ckquBJN*

Creeping plants that form a compact carpet

Acre (4″)—Golden yellow, fine light green foliage

Brilliant (6″)—Light rose red.

Stolonifera (5″)—Rosy pink. Fleshy succulent leaves.

Plants of any of above: 3 for 50c; 10 for $1.50.

Silene (6″) *cjuCT*

Schafta (Catchfly)—A charming border or rock plant, growing 4-6 inches high, with masses of bright pink flowers from July to October. Pkt., 15c. Plants, 3 for 70c: 10 for $1.85.

Scarlet Runner (8′) *aktCHS*

A great favorite, not only as an ornamental climber, but for the delicious edible beans which succeed the spray of bright scarlet, pea-shaped blossoms. Oz., 10c; ¼ lb., 25c.

Saponaria

P.-W.'s PERENNIAL ROCK GARDEN COLLECTION

The most popular and most adaptable varieties. **3 plants of each.**

Variety	Time of Bloom	Color
Alyssum Saxtile Compactum	April	Yellow
Aubretia Bougainveillei	April	Blue
Dianthus Deltoides	June	Rose Red
Phlox Subulata Lilacina	May	Lilac
Saponaria Ocymoides	July	Rose Pink
Thymus Coccinea	June	Red
Gypsophila Repens	July	White
Nepeta Mussini	August	Blue

24 plants in all—Regular prepaid value, $6.40; Prepaid for **$5.25**

P.-W.'s SWEET PEAS *akorFGS*

EARLY FLOWERING SPENCERS (72″)

The new type is in great demand for forcing under glass and for outdoor culture, coming into flower five or six weeks earlier than the regular summer flowering type. If flowers are kept picked, will continue to bloom over a period nearly four months.

Bridesmaid—Deep silvery pink with unusually long stems.

Fragrance—Large, frilled, lavender flowers; fragrant.

Hope—A pure white, noted for the exquisite texture of its blooms.

Laddie Improved—The best clear, light rose-pink.

Majestic Rose—Immense deep rose-pink flowers on long stems.

Mariner—A clear, marine-blue, the purity of which makes it outstanding.

Mars—Lovely, well-formed, rich oxblood-crimson.

Orange King—This variety is a splendid glowing orange.

Shirley Temple—Soft rose-pink. Carries four enormous, well-proportioned blooms to a stem.

Price—Any of above, ½ oz., 40c; oz., 75c; ¼ lb., $2.00.

P.-W.'s Early Flowering Spencer, Best Mixed—The above and many other varieties properly blended for a harmonious color effect. ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $4.50.

SUMMER FLOWERING SPENCERS (72″)

We offer the very choicest and most distinct varieties, each one in its respective color, and sure to give entire satisfaction.

Ambition—Best large-flowering lavender; flowers are waved.

Bonnie Briar—A sparkling rose-pink of immense size.

Capri—We believe it is the finest light blue ever introduced.

Chieftain—A very fine variety with satin-mauve flowers.

Floradale—A rich salmon-pink on cream ground.

Grand National—Large, frilly, deep cream.

Leviathan—A rich maroon of good substance.

Mrs. A. Searles—Rich pink merging into Orient red.

Olympia—A beautiful rich purple color.

Prince of Orange—Without doubt this is the best deep orange.

Rubicund—A crimson-scarlet, vigorous in growth.

Ruffled Blue—Mid-blue flowers, vigorous grower.

Ruffled Carmine—Bright carmine-rose.

Ruffled Rose—Rich rose.

Snow White—A solid paper-white with immense blooms on long pencil stems.

Welcome—Most brilliant and dazzling scarlet Sweet Pea; really magnificent.

Youth—A lovely white with pink edge.

Any of above, ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.00.

P.-W.'s Giant Spencer Silver Gilt Medal, Mixed—The finest assortment of Giant Spencers obtainable at any price. A formula mixture containing 75 named varieties, including the latest novelties. ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.00.

SWEET PEAS INOCULATED WITH NITRAGIN WILL GROW BETTER AND BLOOM MORE PROLIFICALLY

INOCULATE ALL LEGUME SEEDS WITH

NITRAGIN

Pkt. (enough for 8 lbs. of seed), 10c

P.-W.'s Giant Spencer Sweet Peas

Statice (Sea Lavender)

Latifolia cjrCJN (2′)—Plumes of deep lavender flowers useful for drying for winter. Pkt., 15c. Plants, 3 for 70c; 10 for $1.85.

Sinuata ajrBHN (30″)—Pretty rosettes of foliage from which rise branching flower stems. We furnish blue, rose, white, and mixed. Pkt., 10c.

Stokesia (Stokes Aster) (18″) *cjrCJ*

Cyanea—A very hardy, bushy plant with rich green leaves. Large flowers with finely divided petals of a rich azure blue, like a giant cornflower, are borne profusely over the whole plant. Pkt., 15c. Plants, 3 for 70c; 10 for $1.85.

Stocks *aksBHK*

Improved Large Flowering 10-Week, Mixed (12″)—Most popular for garden flowers, and is also useful for cutting. Fragrant. Pkt., 10c; ⅛ oz., 50c.

Double Giant Imperial Mixed (30″)—Very early blooming; produces high percentages of doubles. For both greenhouse and outdoor culture. Pkt., 15c; 1/16 oz., 35c.

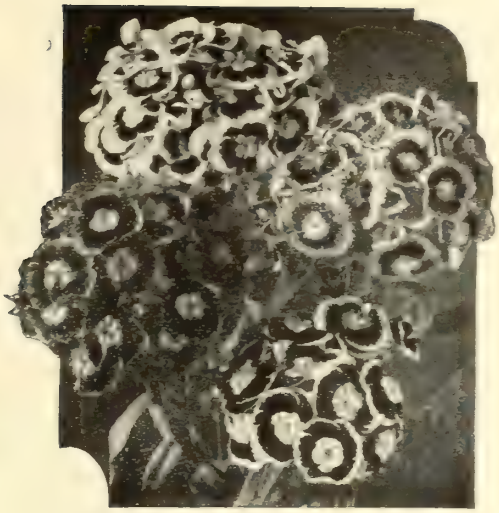
Evening Sweet Scented (Matthiola Bicornis)—Lilac flowers; exquisitely perfumed. Pkt., 10c; ¼ oz., 20c.

Sunflower (4′) *aktBHN*

Chrysanthemum Fl. Double—Majestic, immense showy flowers. Golden yellow. Pkt., 5c; ½ oz., 25c.

Salpiglossis

Sunflower (Chry'm Fl'd)



Single Giant-flowered Sweet William

Sweet William (Dianthus Barbatus) (18″) *ejsBJN*

This charming old favorite is offered in both single and double forms. The former being the more hardy and easier culture.

***Single Giant-flowered Mixed**—Pkt., 10c.

Double Giant-flowered Mixed—Pkt., 15c.

Separate Colors, Single *Pink and *Red—Pkt., 15c. Plants, those marked (*), 3 for 70c; 10 for $1.85.

Teucrium (12″) *cjpuNW*

Chamaedrys—Dense bushy plants with glossy evergreen foliage resembling dwarf boxwood; may be used in place of boxwood where the latter is not hardy. Can be clipped to suit any height up to 12 in. Plants only, 3 for 90c; 10 for $2.50.

Thymus (3″) *ckqu*

Serphyllum Coccineum—Creeping, wiry stemmed variety with small dark red flowers. Used extensively for planting between stepping stones and on rock walls. Plants, 3 for 70c: 10 for $1.85.

Tritoma (36″) *cejrtCJS*

Grandis Pfitzer (Red Hot Poker)—Dense spikes of glowing orange-scarlet. Valuable for cutting or for color in the late summer garden. Pkt., 10c. Plants, 3 for 70c; 10 for $1.85.

Trollius Ledebouri (20″) *djsB*

Golden Queen—Desirable, free-flowering plants producing their giant orange-yellow, buttercup-like blossoms singly on 12-18 inch stems. The Delphinium-like leaves are attractive all summer. Seed, 25c pkt. Plants, 3 for $1.25; 10 for $3.50.

Valeriana (2′) *cjsFJ*

Coccinea—Forms bushy mounds of soft green foliage above which are produced the showy heads of old rose flowers on 12-inch stems. Seed, pkt. 10c. Plants, 3 for 70c; 10 for $1.85.

Veronica *ckuBJN*

Rupestris Nana (6″)—Semi-creeper. Light green foliage. Sky-blue flowers on spikes 4 to 6 inches in length. Plants, 3 for 70c; 10 for $1.85.

PERENNIAL FLOWERS

The Backbone of the Garden

Viola Cornuta

Hardy Verbena *eksFHN*

Canadensis Brilliant (12″)—Of spreading habit, they produce a continuous supply of vivid glowing scarlet blossoms. Plants only, 3 for $1.00; 10 for $2.75.

Vinca *djqxBN*

Minor (Grave Myrtle) (4″)—Beautiful glossy evergreen foliage forms a dense carpet sprinkled over with small, bright blue flowers.

Major (10″)—This variety has larger leaves and is more erect than Minor. It is evergreen and a vigorous grower. Plants only, either of above—3 for 60c; 10 for $1.75; 100 for $15.00.

Viola *cjuFJ*

Cornuta (Scotch or Tufted Pansies) (4″)—These form low mounds of foliage beautifully decorated with many violet-like flowers, each on its own stem. Mixed colors. Pkt., 10c; 1/16 oz., 50c. Plants, 50c per dozen, plus 15c for packing and postage. In lots of 4 dozen, plants packed in baskets and shipped by express.

Jersey Gem—Flowers of rich, pure violet, large and fragrant, flowering persistently all summer. Long stems; a good cut flower. Pkt., 25c.

Adorata (Sweet Violet) (6″) cjlqxAJ—The popular, well-known violet. Large, simple, deep violet-blue flowers of exceedingly rich fragrance. (Seed not available this season.) Plants, 3 for 60c; 10 for $1.75.

Yucca (6′) *cjtuBJ*

Filamentosa (Adam's Needle)—Handsome creamy white flowers, much branched and densely packed with bloom, with sword-like foliage. Seeds, pkt., 10c. Plants, 3 for 70c: 10 for $1.85.

About Postage: Plants are not postpaid. If by mail, remit postage extra, 15c for 3, 40c for 10 All flower seeds postpaid.

OUTSTANDING PERENNIAL PLANTS FROM THIS PAGE

Offer 433

2 Sweet William, Red
1 Tritoma Grandis
1 Trollius Golden Queen
2 Valeriana
2 Hardy Verbena
2 Yucca

10 young vigorous plants — Regular postpaid value, $3.15.
Special Postpaid Price.....**$2.50**

Yucca

See page 77 for legend explaining key letters immediately following variety name

Zinnia Dahlia Flowered

COLORFUL VERBENAS *aksFGN*

Hybrida Dwarf Compact (Erect) (6″)

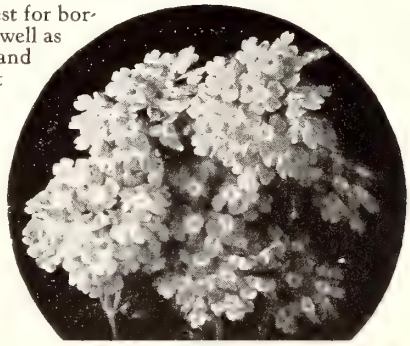
We like this type best for borders and edging, as well as massing. Very neat and compact in habit and continuous blooming.

Blue Sentinel (New)—violet blue, white eye.

Fireball—bright scarlet.

Chamois—pale chamois tinted buff.

White—creamy white.



Giant Verbena

Compact Dwarf Choice Mixed
Each of above, Pkt., 25c.

Giant Hybrids (12″) aksFHNS—A magnificent strain of Verbenas; robust, free blooming. It has more flowers to each truss and the florets are large.

Brightness—rosy cerise scarlet, white eye.
Brilliant—flame rose, white eye.
Pure White—just as the name implies.
Royale—royal blue, creamy yellow eye.
Spectrum red—intense bright red.
Mixture of Giants—carefully blended.
Each of above, pkt., 10c; 1/8 oz., 50c.

Erinoides (Moss Verbena) (8″) akgFHNS—A carpet of moss-like foliage bearing heads of purplish blue and white blossoms. Pkt., 10c; 1/8 oz., 30c.

Venosa (12″)—Of branchy habit with long, deeply-cut leaves and many heads of bright purple flowers. Pkt., 10c; 1/8 oz., 30c.

Wallflower *ejsuJN*

Well known, deliciously fragrant half-hardy perennials, blooming early in spring, with spikes of beautiful flowers.

Single Mixed—All colors. Pkt., 10c; 1/4 oz., 25c.

Wild Cucumber *ajtHN*

Thirty feet. This is the quickest and easiest growing climber on our list. It will quickly cover an old tree or an unsightly building. Pkt., 10c; 1/2 oz., 20c; oz., 30c.

The Gorgeous Zinnia *akrsFHN*

Giant Double Dahlia-flowered (36″)

The flowers often measure 4 inches in depth and 4-6 inches across and are abundantly produced. They are the most desirable of all the large double Zinnias.

Canary Bird—primrose yellow.
Crimson Monarch—flaming crimson.
Dream—deep lavender blue.
Exquisite—light rose with center deep rose.
Oriole—orange and gold bicolor.
Polar Bear—white.
Will Rogers—lovely brilliant scarlet red.
Giant Dahlia Flowered—gold medal mixed.
Each of above—Pkt., 10c; 1/8 oz., 30c; 1/4 oz., 50c.

Lilliput or Pompon (12″-15″)

Many gardeners greatly enjoy the tiny miniature Zinnias which skilled plant breeders are now giving us.

Black Ruby	Salmon Rose
Canary Yellow	White Gem
Crimson Gem	Choice Mixed
Lilac Gem	Pastel Mixture

Each of above, pkt., 10c; 1/4 oz., 35c.

Various Zinnias

Fantasy Mixed (24″)—A novelty type with shaggy, quilled, and curled petals. Colorful mixture, Pkt., 10c; 1/8 oz., 25c.

Haageana (Mexican Hybrids) (12″)—Very bushy, free-flowering plants covered with small double blossoms of pointed striped petals. The predominating colors are yellow, orange, mahogany, and red. Pkt., 10c; 1/8 oz., 25c.

Howard's Giant Crested (36″) — This aristocrat of all crested Zinnias brings a higher degree of refinement to the Zinnia family. Flowers 4-5 inches in diameter with full, round, cushioned centers surrounded by broad guard petals. This lovely new strain contains all the shades of orange, scarlet, yellow, rose, and crimson. Pkt., 10c; 1/8 oz., 45c.

Linearis (10″)—A very profuse blooming, bushy plant. The small single flowers are golden orange with stripe of lemon yellow in each petal. Early flowering. Pkt., 10c; 1/16 oz., 25c.

Zinnia Haageana

Howard's Giant Crested

Flower Seed Mixtures

Wild-Flower Mixture ajsFHN—This is a surprise collection, containing practically every annual in existence. Pkt., 5c; 1/2 oz., 25c; 1/4 lb., $1.25.

Rock-Garden Mixture juFH—All the dwarf flowers, cultivated and wild, annual and perennial, that are suitable for the rock-garden. Sow it amid the rocks and boulders of your garden. Pkt., 10c.

P.-W.'s HARDY WATER LILIES

Winter Tested Varieties — Young Vigorous Roots
In the Large Yard — A Complete Naturalistic Pool
In the Small Yard — A Miniature Sparkling Gem in a Half Barrel or Tub

Attraction—The petals are Garnet red, with almost white sepals. One of the choicest of all water lilies. Flowers unusually large, sometimes 8 inches. One of the longest blooming hardy lilies. $2.00 each.

Chromatella (Yellow)—Perhaps the most popular of all. Sulphur yellow in color with broad curving petals Blooms throughout the spring and summer months. Leaves are handsomely splotched with maroon. Vigorous, very hardy. Special featured, $1.25.

Comanche—A rich apricot, changing later to a deep coppery bronze, to a glowing red in the depths of the flower. The best of the sunset colors, and very hardy. Charming. $2.00 each.

Gloriossa—A truly remarkable red; satisfactory everywhere. Thrives under most extreme conditions. Blossoms delightfully fragrant and are often 6 to 7 inches across. The best red. $2.00 each.

Gonnere—Snowy white, averaging eighty petals to the flower, making a nearly full globe. The leaves are small and it does not require much room to grow, but gives an abundance of blooms. One of the very few double water lilies. $2.50 each.

Marliac Pink—Pale, pink flowers of unusual size and abundantly borne throughout the entire season. One of the most popular pinks. A good strong grower, one of the best for the amateur. $1.25 each.

Marliac White—Snowy white petals with bright yellow stamens. The fragrant blossoms are five to six inches in diameter. Sepals are tinted with pink. In bloom continually. $1.25 each.

Masaniello—Some years ago this splendid French hybrid was introduced, but all too soon our stock was sold out. Lately it has received much attention and we are again offering this fine variety. Its cup-shaped flowers are pink dotted with carmine and have a most pleasant fragrance. A free bloomer and very desirable. Special indeed at $1.50.

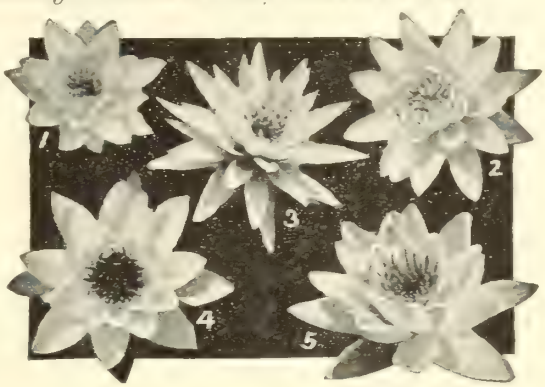
Pink Opal—An attractive deep pink, a medium size flower. It is one of the finest pink lilies **for cut flower purposes.** The buds are nearly round. When open, the petals are short, and the flower stands well above the water. (Comparatively slow growing.) $1.25 each.

Sacred Lotus

Throughout America the Lotus grows luxuriantly and is perfectly hardy. This queen of aquatic flowers with its stately beauty thrives abundantly during our warm summer months, sending up its great shield-shaped leaves sometimes to a height of 6 feet. The gigantic blossoms, almost a foot across, overtop the leaves. They require the same general treatment as water lilies. They like to be started in from 4 to 6 inches of water, but after they take hold will thrive in even 2 feet. $2.00 each.

Hardy Water Lily and Plant Collection No. 435

Consists of **one each** of **Attraction** and **Chromatella Lily, 2 Arrowhead, 1 bunch Parrot Feather, 2 Water Hyacinths, 2 large Trapdoor Snails,**
Regular value $4.25. Postpaid for..... **$3.50**



SHALLOW WATER PLANTS

Naturalize the Shallow Edges of the Pool

Arrowhead—Leaves arrow-shaped. Plant bears large spikes of pure white flowers, about 2 feet tall. 25c each.

Parrot Feather — Green shoots trailing over the water, forms soft airy masses about the base of taller plants. One of the best for planting in fountain basins or along the rocks in pools. 25c bunch.

Water Poppy—Cheerful yellow flowers like golden California Poppies. With a maroon eye the blossoms are handsome and are borne in greatest profusion all summer long. Plants look like miniature Water Lilies. Grows easily and quickly. Plant plenty of them. 15c or 4 for 50c; $1.00 per dozen.

Water Hawthorne—This exquisite water plant is the best of all the small aquatics. It blooms incessantly the dainty white blossoms are forked and sprinkled with tiny black anthers. It has the true sweet fragrance of English Hawthorne and blooms and grows here even with ice on the pool! Plant in water from 4 to 12 inches deep. 35c each; 3 for $1.00.

Shell Plant—A beautiful floating shell-like plant, sending its slender roots down into the water. Spreads rapidly. Prefers a warm, shady situation. 2 for 25c.

Water Hyacinth—The most elegant of floating plants, whose delicate spikes of blossoms rival an orchid for beauty. Most easily grown it flowers best when its roots are allowed to find soil 6 to 8 inches below. 2 for 25c; $1.25 per dozen.

Scavengers for Pools

All aquariums and pools need scavengers—fish to feed upon the insects, snails to devour algae and green scum. In all well-balanced pools goldfish and snails should be kept.

Trapdoor Snails (large)—They devour algae and green scum, and help to keep the water clear. They do not lay eggs, but bring forth young fully developed. 2 for 25c.

Paper Shell Snails—Medium size snails with shell characteristics of their name. Very prolific egg layers, and are very active scavengers. 15c a pair, 60c a dozen.

NOTE—All Water Lilies and Shallow Water Plants can be shipped from late spring until August. Midsummer is not too late to plant a water garden. Water plants "just grow." Our prices include transportation charges.

P.-W.'s HARDY CLIMBING ROSES *hjtBNVY*

Climbing Roses for Charming Effect

American Beauty—Has the same deep rose-pink color, large size, and sweet fragrance of the American Beauty bush type.

American Pillar—Flowers single, three to four inches across, of a lovely shade of pink, with a clear white eye and long, golden stamens.

Chevy Chase (Pat. No. 443)—For color in great panicles of red there is none in the climbers that compare with this splendid new rose. In this area it blooms for several weeks during May and June and possesses healthy, abundant foliage free from mildew from then until frost. **$1.50 each.**

Dr. W. Van Fleet—The long, pointed buds are of rich flesh-pink on stems 12-18 inches long.

Flash (Pat. No. 396)—An "All-America rose selection." A new hardy climber with a color that is certainly flashy, vivid orange-scarlet with the backs of the petals gleaming yellow. **$1.00 each; 3 for $2.55.**

King Midas (Plant pat. app. for)—This new Hardy Climbing Rose is vigorous in growth and richly clothed from the ground up with dark green, leathery foliage—covered with large, slightly fragrant yellow blooms, profusely in May and June. **$1.50 each; 3 for $3.75.**

Paul's Scarlet—The flowers are an intense vivid scarlet, semi-double, and very freely produced in clusters of from 3 to 20 blooms on long-branched cones. A mass of color.

Paul's Lemon Pillar—Pale lemon buds and light yellow, double, well-formed fragrant flowers. Strong grower.

Mary Wallace—Flowers are well formed, rose-pink with salmon base; large, glossy foliage.

Silver Moon—Beautiful semi-double flowers, four inches and over in diameter, pure white, beautifully cupped with golden stamens in center.

Price of all hardy climbing roses, except where noted—75c each; 3 for $2.00.

3 Hardy Climbers — Paul's Scarlet, Mary Wallace, Silver Moon — Offer 436A **$1.75** Postpaid

P.-W.'s EVERBLOOMING CLIMBING ROSES *hktFVW*

While these varieties do not bloom as constantly as their Hybrid Tea parents, yet their bloom period recurs during the season so they are classed as everbloomers. Where possible, give them a protected situation.

Cl. Condesa de Sastago—The flowers are better than the bush form and of the same color. It is especially hardy and is one of the very best Hybrid Tea Climbers. **$1.00 each; 3 for $2.75.**

Cl. Countess of Stradbroke—Immense flowers of the darkest and richest red. Fragrant as well as impressive. **$1.00 each; 3 for $2.55.**

Cl. Countess Vandal (Pat. No. 38)—Produces the same long, pointed buds of coppery-bronze, pink and gold, as the bush form in even greater profusion. **$1.00 each; 3 for $2.55.**

Cl. Dainty Bess—Large, single blooms of blush-pink decorated with wine red stamens. New; one of the best.

Cl. Etoile de Hollande—Magnificent both in bud and bloom. Flowers identical to the bush form.

Cl. Gen. McArthur—Intensely fragrant, dark scarlet crimson.

Cl. Hadley—It possesses all of the admirable qualities of its parent bush, including the rich fragrance. Produces a wonderful crop of velvety crimson blossoms.

Cl. Mrs. Sam McGredy (Pat. No. 394)—A beautiful coppery scarlet-orange. In contrast with the bush form, this plant is a vigorous grower and produces dozens of the beautiful flowers. **$1.00 each; 3 for $2.75.**

Mermaid—Blooms steadily throughout the season and produces quantities of exquisitely beautiful single flowers of great size, pale sulphur-yellow with a gold center. Its bright, glossy evergreen foliage is just as beautiful in winter as in summer.

Cl. Mme. Ed. Herriot—Brilliant coral-red buds opening to flowers of flaming pink and orange.

Cl. Mme. Jules Bouche—Best double, white, borne singly on long stems; pleasantly fragrant.

Cl. Mrs. E. P. Thom—Well-formed blooms of clear yellow, one of the best yellows.

Cl. Pink Dawn—A lovely blend of Pink shades. Like other climbing Hybrid Tea Roses it produces many more blooms than the bush form. **$1.00 each; 3 for $2.75.**

Cl. President Hoover—The same high qualities and blooms as the bush form. Maroon-orange, gold and cerise-pink.

Cl. Reveil Dijonnais—One of the most spectacular of all climbers; so rich in coloring that you can hardly believe that the blooms are real. The immense blooms are a brilliant cerise-pink with a yellow center.

Cl. Talisman—Flowers same as bush form; rich, golden, reddish-apricot, stained copper.

Price of all Everblooming Climbing Roses, except where noted—85c each; 3 for $2.35.

EVERBLOOMING CLIMBERS

Special Offer 436B — 1 Cl. Etoile de Hollande, 1 Cl. Pink Dawn, 1 Cl. Talisman — **$2.25** Postpaid

HARDY BUSH AND SHRUB ROSES

Hybrid perpetuals, sweet briar, rugosa, and hybrid rugosa roses. Valuable for their hardiness and vigor of growth as well as profusion of bloom. Produce successfully without protection in colder regions where other types are difficult.

Hybrid Perpetuals *gkpsBNVW*

American Beauty—Carmine-red.

American Beauty White—Vigorous grower.

Rugosa and Hybrid Rugosa *gkpsFNVW*

Dr. Eckener—Semi-double flowers of coppery rose and golden yellow. Very fragrant. (H. 5′-6′).

F. J. Grootendorst Red—Red flowers in clusters. (H. 3′-4′).

F. J. Grootendorst Pink—Pink flowers in clusters. (H. 3′-4′).

Sweet Briar and Shrub Roses *gkptBNVW*

Austrian Copper—Bright, coppery red, the reverse of the petals golden yellow. (H. 6′-7′).

Rosa Hugonis—Delicate yellow single flowers on long, arching sprays early in May. (H. 6′-7′).

Rubrifolia—Intensely pink, starry flowers, red foliage. (H. 6′-7′).

Skyrocket—Large clusters of brilliant red blooms throughout the entire season. (H. 5′-6′).

Price of all "H.P.", Rugosa and Briar Roses—75c each; 3 for $2.10.

FREE Leaflet on Roses gives detailed information. Ask for it.

"Shrub Rose"—Rosa Hugonis

SHRUB ROSES
The Appropriate Background for the Hybrid Tea Rose Garden

EVERBLOOMING POLYANTHA AND FLORIBUNDA ROSES

Hardy as Oaks; bloom as freely as Geraniums. A mass of color from June till snow.

Hardy, everblooming, dwarf habit, specially bred for mass planting. Plant in groups of from not less than three plants of a kind to a hundred or more in beds or shrub borders. They are not only permanent but are more colorful and beautiful than the tender-foliaged bedding plants used heretofore for this purpose. Plant about 14 inches each way.

FLORIBUNDA ROSES *hkpsAVW*

Large Flowering Clusters

Baby Chateau—Large semi-double flowers in clusters of velvety dark red.

Dagmar Spaeth—A true white sport of Lafayette bearing flowers of the same lovely form. Its large showy trusses are produced all summer. It is often called the best white floribunda.

Golden Salmon Polyantha
(Excellent for Beds and Borders)

Else Poulsen—Lasting brilliant, two-toned rose-pink. Semi-double, sweetly scented. (H. 30″-36″).

Improved Lafayette — Medium sized, deep glowing red flowers suffused with vivid crimson. (H. 18″-24″).

Sunmist — Slightly fragrant, clear light sulphur yellow shading to soft canary yellow at the base of the petals. Forms large clusters and is an outstanding floribunda for beds and borders.

Price for all Floribunda Roses—Hedge size: 50c each; 10 for $4.50; 100 for $40.00.

POLYANTHA ROSES *gkpsuFVX*

Small Flowering Clusters

Chatillon—Clear, pink flowers bloom continuously in huge clusters, resembling large heads of phlox. (H. 18″-24″).

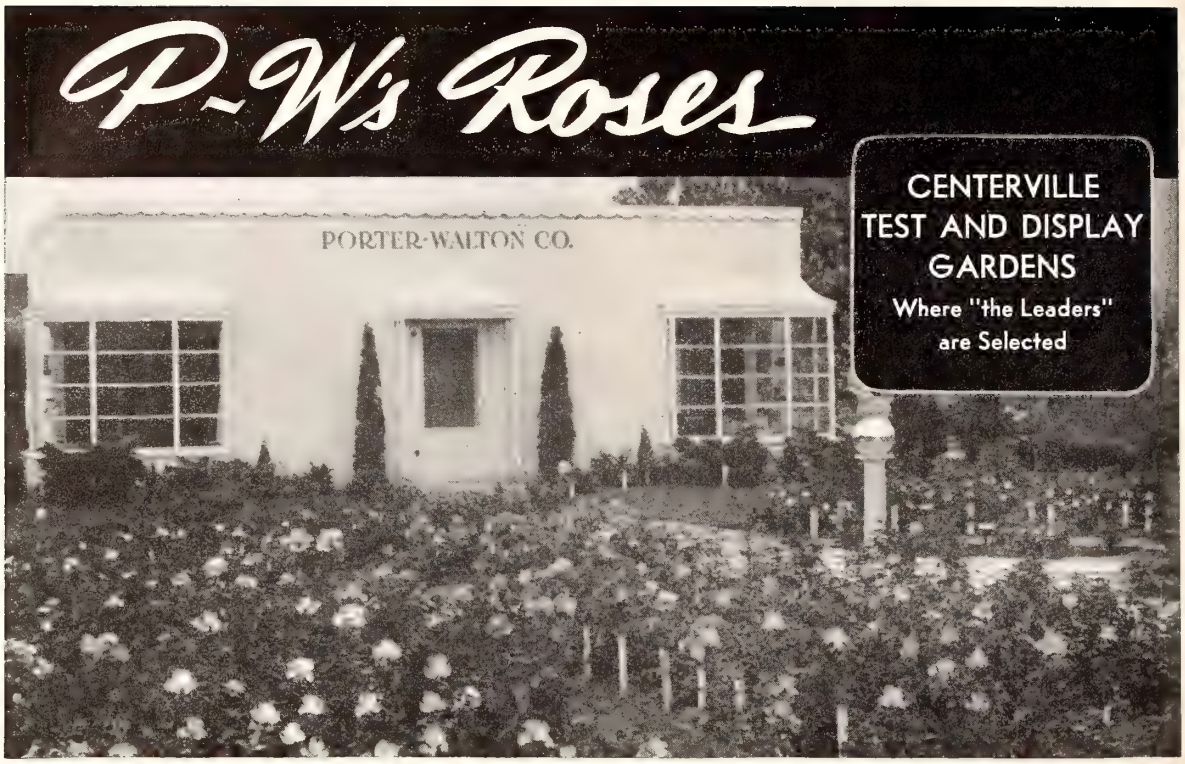
Golden Salmon—Huge clusters of bright salmon-orange; profuse bloomer. (H. 18″-24″).

Mlle. Cecile Brunner—The "Sweetheart" rose. Perfect for boutonnieres. Dainty sea-shell pink; delightfully fragrant. (H. 18″-24″). **75c each; 3 for $2.10.**

Rosa Rouletti—6 inches tall. A rock garden "Gem" and also a gem for an edging plant. It is hardy and produces rose-pink, quite double flowers continuously. **75c each; 3 for $2.10.**

Sparkler—Clusters of brilliant red flowers. (H. 18″-24″).

All Polyantha Roses (except where otherwise noted)—50c each; 10 for $4.50; 100 for $40.00.



THE BEST OF THE NOVELTY EVERBLOOMING ROSES *hkFVX*

Angels Mateu (Pat. No. 174)—A large exhibition quality flower of a beautiful orange rose color. Its color, form and rich raspberry fragrance make it one of the most charming of the Everblooming Roses. **$1.00 each; 3 for $2.55.**

California (Pat. No. 449)—A glorious shade of ruddy orange toned with saffron yellow, a dual-tone effect of indescribable richness and beauty. **$1.50 each; 3 for $3.75.**

Charlotte Armstrong (Pat. No. 455)—An All-America Rose. The magnificent long-stemmed flowers are spectrum red in the cooler seasons and cerise red during the summer heat. They open slowly and retain their beauty a long time. (See color illustration, page 39.) **$1.25 each; 3 for $3.15.**

Crimson Glory (Pat. No. 105)—Deep, vivid crimson, held proudly high. Its fascinating fragrance makes it an instant favorite. **$1.00 each; 3 for $2.55.**

Good News (Pat. No. 426)—A hardy, healthy, free flowering plant. Buds of deep coppery pink open slowly to great 60-petaled blooms with a glowing coppery center toning to shell pink on the outer petals. Long lasting when cut. **$1.50 each; 3 for $3.75.**

Grand Duchess Charlotte (Pat. pending)—This rose aristocrat reveals a new shade of red . . . a color heretofore unknown in rosedom. The beautiful long streamlined buds open to firm-petaled blooms which do not fade but gradaully change to a lovely begonia rose. A delightfully informal flower with a hint of carnation fragrance. **$1.50 each; 3 for $3.75.**

Hearts Desire (Pat. No. 501)—A truly red rose with long pointed buds. The large petals unfold slowly, revealing their fine substance, and lasting for a long time. Its fragrance, form, and strong vigorous growth have made it a leader in the rose world. (See page 39.) **$1.50 each; 3 for $3.75.**

Mary Margaret McBride (Pat. No. 537)—AARS Winner for 1943. The double blooms are large and high-centered. The color, borrowed from the radiant glow of a summer sunset, is a clear, deep coral-pink suffused with shimmering gold at base of petals. Flowers remain in never-fading glory throughout the hottest summer weather. Luxuriant, smooth, leathery, deep green foliage. In color above. **$1.50 each; 3 for $3.75.**

McGredy's Sunset (Pat. No. 317)—Aptly named. Outside of petals a clear buttercup-yellow, tipped orange, while the inside is chrome-yellow flushed with scarlet as it opens; intensified as the blooms expand. Flowers shapely, pleasing fragrance, freely borne on strong stems. Very sun-resistant. Excellent in hot weather. Silver Medal, A.R.S., 1939. **$1.25 each; 3 for $3.15.**

Mme. Chiang Kia-Shek (Pat. applied for)—Well shaped, long tapering buds of clear lemon yellow open into beautiful flowers of creamy yellow. The bush has a strong upright habit of growth and glossy disease-resistant foliage. All-American Winner for 1944. (See color illustration opposite.) **$2.00 each; 3 for $5.10.**

Mme. Cochet-Cochet (Pat. No. 129)—Long, pointed buds of coppery pink, flushed orange, open to fragrant cupped flowers of soft salmon-pink with a satiny sheen. **$1.00 each; 3 for $2.55.**

Mme. Henri Guillot (Pat. No. 337)—Large, artistic urn-shaped buds open to camellia-like, 20-petalled blooms about 5 inches across. Watermelon to raspberry pink in color. **$1.25 each; 3 for $3.15.**

Pres. Boone (Pat. No. 314)—Pure, rich crimson-scarlet, delightfully fragrant. Perfect in every stage of development. **$1.00 each; 3 for $2.55.**

Santa Anita (Pat. rights reserved)—This rose is loveliness exemplified. Its perfectly formed long pointed buds unfold into glorious flowers of clear crystal pink, possessing exquisite fragance, all of which place Santa Anita at the very zenith of the outstanding pinks. (See color page 39.) **$1.00 each; 3 for $2.55.**

Sterling (Pat. No. 21) — Pink. Bright pink flowers of splendid form come singly on vigorous-growing plant. Ranks as one of the best in the deep pink Hybrid Teas. This consistent prize-winner at Rose shows throughout the U.S.A. is exquisitely modeled with intense, true Rose fragrance. **$1.00 each; 3 for $2.55.**

Texas Centennial (Pat. No. 162) — Bright glowing carmine-red. A sport of Pres. Herbert Hoover, inheriting the healthy habit and vigorous growth. **85c each; 3 for $2.15.**

Will Rogers (Pat. No. 256)—Very striking dark velvety crimson-maroon. Free blooming, very double. Vigorous dark green foliage. **$1.00 each; 3 for $2.55.**

All-America Selection of Roses 1944 — Offer No. 439

This outstanding offer contains FOUR All-America Winners: "Mme. Chiang Kai-Shek", "Heart's Desire", and in addition the unexcelled new patented rose "Santa Anita" and "Charlotte Armstrong". All are Everblooming Hybrid Tea Roses. Words and color illustrations fail to depict their worth.

All FOUR prepaid for..... $4.80

Refer to page 36-43 inclusive for a splendid array of other Roses worth while.

MME. CHIANG KAI-SHEK. (Patent applied for.) All-America winner for 1943. A yellow rose of patrician elegance; a splendid tribute to a great lady. Color lemon-yellow fading to light yellow as flower matures. Compact growth. **$2.00 each, 3 for $5.00.**

MME. CHIANG KAI-SHEK (Plant Patent applied for

SANTA ANITA (Patent applied for

SANTA ANITA
(Plant Patent No. 539)

This rose is loveliness exemplified. Its perfectly formed long pointed buds unfold into glorious flowers of clear crystal pink, exquisitely fragrant all of which place Santa Anita at the very zenith of the outstanding pinks. **$1.00 each; 3 for $2.50.**

HEART'S DESIRE
(Plant Patent No. 501)

The only All-America award for 1943. Truly a red rose with long, sharply pointed buds. Deliberately slow in unfurling its large petals. Flowers are fragrant; a very strong, vigorous grower; long lasting. **$1.50 each; 3 for $3.75.**

HEART'S DESIRE (Plant Patent No. 501)

CHARLOTTE ARMSTRONG
(Plant Pat. No. 455)

Spectrum red to patience pink; magnificent bud and flower. **$1.25 each; 3 for $3.15.**

P.-W.'s "BIG VICTORY TEN"

ROSE OFFER No. 441—Prepaid..... **$6.00**

Selected as The Ten "Top Notch" EVERBLOOMERS

THINK OF IT!

These Ten most magnificent GARDEN ROSES sent prepaid to you for only.... **$6.00**

All No. 1 Hardy 2-year-old Field Grown Plants. Our own Test Garden selection from the hundreds in cultivation.

6

8

7

9

10

	Each
1—McGredy's Ivory	75c
2—Mme. Jos. Perraud	75c
3—Picture	75c
4—Gen'l MacArthur	75c
5—Duquesa De Penaranda	75c
6—President Hoover	75c
7—Soeuv Therese	75c
8—Pink Dawn	75c
9—Edith Nellie Perkins	75c
10—Christopher Stone	75c

(See page 43)

You will be delighted. All will bloom profusely this summer.

(Right)
AUTUMN
Rich burnt Orange, Yellow and Red

P.-W.'s "Popular Five" Rose Offer! No. 442A

ONE EACH ON THIS PAGE

(Five in all)

$3.00
Prepaid

(Above)
MRS. E. P. THOM
Pure Yellow

P.-W.'s "Most Popular Five"

Everblooming Garden Roses. Every one a top-notch leader. All are No. 1 2-year-old shrubs.

Price on any on this page
Each 75c
Prepaid

(Above)
ETOILE DE HOLLAND

CONDESA DE SASTAGO
Two tones, coppery pink and golden yellow

HINRICH GAEDE
Vermilion toned gold

PICK OF THE MOST POPULAR HYBRID TEA ROSES *hkFVX*

Unless marked to the contrary, these are all strong, healthy two and three-year-old roots which are thoroughly adapted to the rigors of climate in the Mountain States, and are in no sense comparable in value to those offered by some other sources at so-called "Bargain Prices." For convenience, we have arranged the varieties in color groups.

Prices on all roses offered on this page, except where otherwise noted: 75c each; 10 for $6.50, prepaid.

All rose bushes offered in this book are postpaid.

Crimson, Red and Scarlet

Ami Quinard—Deep, velvety crimson, semi-double.

Christopher Stone—A top crimson. (See page 41.)

Cynthia—Bright scarlet-carmine, toned gold at base.

E. G. Hill—Fragrant and free-flowering. Crimson.

Etoile de Hollande—Finest choice in reds. (See page 42.)

General MacArthur — Intensely fragrant, bright scarlet-crimson. (See page 40.)

***Grenoble**—Glorious deep crimson-red.

***Gruss an Teplitz**—Fiery-crimson, wonderful hedge rose

Hadley—Velvety crimson. Excellent old standby.

Margaret McGredy—Large double orange-scarlet.

McGredy's Scarlet—Dark glowing rose-scarlet.

Night—One of the darkest of all roses. Medium sized flowers of deep crimson shaded black and maroon with spicy fragrance.

Poinsettia—Glowing fire red; the brilliance of poinsettias at Christmas time. Long, pointed buds; vigorous. **$1.00 each; 3 for $2.50.**

Red Radiance—Clear, large, cerise-red.

Red Talisman—A striking red. Sport of Talisman. **$1.00 each; 3 for $2.50.**

Rouge Mallerin—Scarlet. Does not blue. Very lasting.

Southport—Brilliant scarlet. Lovely under artificial light.

Victoria Harrington—Non-fading, dark velvety red.

Copper and Salmon

***Autumn**—Startling; rich burnt orange, yellow and red. (See page 42.)

***Duquesa de Penaranda**—New apricot leader. (See p. 40.)

Edith Nellie Perkins—Delicate light cerise-pink; inside suffused gold. (See page 41.)

Los Angeles—Flame-pink, toned coral, gold base.

Mme. Edward Herriot—Coral red, shaded yellow.

***Mme. Jos. Perraud** — Novel nasturtium-orange, flushed shell-pink. (See page 40.)

Mrs. Sam McGredy—Fragrant. Scarlet-orange.

***President Hoover** — Striking maroon-orange, gold and cerise-pink. (See page 41.)

Talisman—Sensational rich golden reddish apricot, stained copper.

**We can furnish these varieties in one-year-old bushes. They are not as large as the two-year-old stocks, but do bloom even the first season.*
Priced special at 50c each; 3 for $1.40; 10 for $4.50; 25 for $10.50; prepaid.

Orange and Yellow

Catalonia—Strikingly brilliant orange-vermillion.

Cecil—Glorious buttercup-yellow. Mammoth single.

Condesa de Sastago—Two-toned, deep coppery pink inside, golden yellow reverse. (See page 42.)

Girona—Lovely buds of turkey-red and golden yellow open into flowers of soft golden yellow with collar of Tyrian-rose. Has rich fragrance and is a vigorous grower. **$1.00 each; 3 for $2.50.**

Golden Dawn—The ideal yellow garden rose. Magnificent, large, full-petaled, tea-scented, maize yellow blooms are borne almost continuously. The glossy disease resistant foliage lends a perfect foundation to the whole picture.

Golden Rapture—Beautifully formed buds, fully double blooms, rich yellow, long strong stems.

Hinrich Gaede—Bright vermillion, toned gold; good form and fragrance. (See page 42.)

***Joanna Hill**—Creamy yellow, shaded bronzy pink.

McGredy's Yellow—Bright buttercup-yellow; perfect form fragrant.

Mrs. E. P. Thom—Double pure yellow. (See page 42.)

Mrs. P. S. Dupont—Free flowering, double, rich yellow

***Soeur Therese** — Buds chrome yellow, flowers daffodil yellow. (See page 41.)

Pink Shades

Dainty Bess—The most popular single; large clusters of waxy petalled rose-pink blooms with wine-red stamens

Dame Edith Helen—Glowing tow-toned pink.

Editor McFarland—Perfectly formed, fresh deep pink.

Isobel—Very large bright orange-pink. A great favorite among the new singles.

Miss Rowena Thom—Immense, bright pink, golden base

***Picture**—Warm pink, undertones of salmon. (See page 40.)

***Pink Dawn**—Perfectly formed, deep rose-pink, toned orange. (See page 41.)

Rapture—Deep shell-pink. Exquisite fragrance.

The Doctor—Long, pointed buds; enormous bloom. Exquisite silvery pink. Intensely fragrant. **$1.00 each; 3 for $2.50.**

White and Blush White

Caledonia—Exquisite, best pure white.

Innocence—Large single blooms of pure white with wine red stamens.

***McGredy's Ivory**—Large, well-shaped creamy white, fragrant. (See page 40.)

Mme. Jules Bouche—White, blush center.

P.-W.'s "QUINT" ROSE OFFER NO. 443

Quint Thrift Collection of 5 Guaranteed Everbloomers

1 each of **P.-W.'s Scarlet Crimson, P.-W.'s Golden Yellow, P.-W.'s Pink, P.-W.'s Multi-toned** and **P.-W.'s Two-Toned Copper and Gold.** These are one-year shrubs, healthy, hardy, vigorous, field-grown stock, and are not nearly as large as our two-year No. 1 offered, yet are a marvelous value at this extremely low price. Just think, one each of the 5 Roses described above prepaid to you for only..... **$2.00**

P.-W.'s "Quint" Collection No. 443

Write for Details and Prices on Vigoro

Use Plantabbs for all indoor, potted plants. A complete, balanced plant food of the high analysis 11-15-20, plus Vitamin B-1 in each tablet.

30 tablets for	$ .25
75 tablets for	.50
200 tablets for	1.00
850 tablets for	2.75

Iron Sulphate is useful for alkaline soils. Crystals for plants, shrubs, trees; snow form for lawns. 10 lbs., 90c; 25 lbs., $1.75; 100 lbs., $6.00.

Peat Moss—Soil building material. An all-organic material that requires many years before it will decay in the soil. Meanwhile, it absorbs moisture and gives it up slowly to the plants. Apply at any time. Bale compressed into 12 cubic feet. Bale $3.75.

P.-W.'s New "Greenleaf"

The effective treatment for "Yellows" or Chlorosis. The plant disease known as Chlorosis or Yellows is very prevalent, but can be effectively controlled with this new improved method. **Greenleaf** has been thoroughly tested in different sections of the intermountain country with splendid success, and we heartily recommend it to any of our customers who have affected plants. It is also a corrective for alkaline soils. Full directions are sent with each order. It is put up in different sizes. 10 lbs., $1.00; 25 lbs., $1.75; 100 lbs., $6.00.

ROOTONE

Reg. U. S. Pat. Off.

is a root-forming stimulant when applied to cuttings, seeds, or bulbs. It is a powder, and gets its root-forming activity from the synthetic plant hormones or growth substances which it contains. It is not a fertilizer or plant food. Rootone improves rooting of cuttings, seeds and bulbs. It makes heavier grass turf, causes faster germination of seeds, increases plant growth, and reduces wilt. 1/4 oz., 25c; 2 oz. jar, $1.00; lb. can, $5.00.

PATENTS PENDING

TRANSPLANTONE

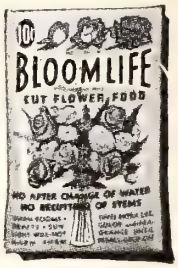
is a water-soluble powder containing Vitamin B-1, and other parts of the vitamin B fraction, plus certain plant hormones which are active in root formation. Many plants stop growing for a time if they are moved or transplanted. **Transplantone is formulated to supply the plant with the chemicals which stimulate root formation and growth at this vital period. It is not a fertilizer. It is purely a stimulant.** 1/2 oz., 25c; 3 oz., $1.00; lb., $4.00.

FRUITONE is a powder containing as its chief active ingredient the plant hormone naphthyl (naphthalene) acetamide. It was first produced for stopping the premature drop of apples, but it has proved effective for keeping flowers, leaves and other fruits on the tree or plant longer. The effectiveness of naphthyl acetamide on apple drop was shown in 1939 by the Bureau of Plant Industry, U. S. Department of Agriculture. Two ounces of Fruitone makes 25 gallons of spray. 2/5 oz. packet, 25c; 2 oz., $1.00; 12 oz., $5.00.

Bloomlife

Adds 2 to 5 days to the life of cut flowers. No recutting of stems. No change of water. Bloomlife comes complete—ready to use—nothing to add. Works in any water, whether hard or soft.

Trial Pkt. (makes 2 qts.)	$ .10
50 Quart Size	1.00



SANI-SOIL

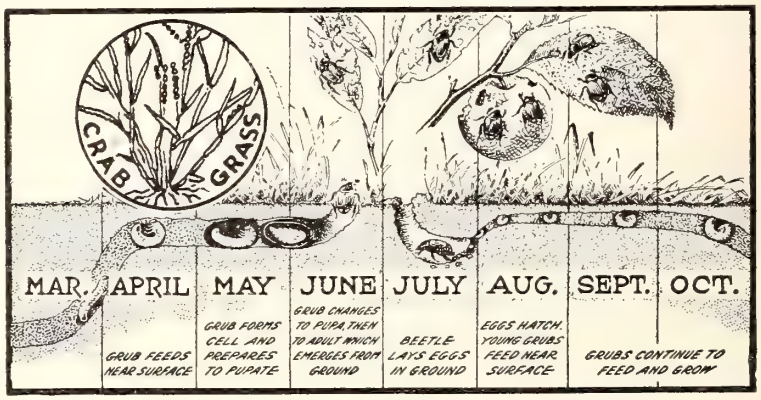
The Wonderful New Soil Mulch and Conditioner

Made from the short, fluffy fibres in the protective bark of the Redwoods, the healthiest and oldest of all living things. It air-conditions your soil, cuts your water bills, conserves cultivation, reduces weeding and promotes vigorous, healthy growth. **SANI-SOIL** is light in weight and very easy to apply—anyone can do it. It is packed only in 25-lb. paper bags, containing about 3 cubic feet. Price per bag, **$2.00 each.**

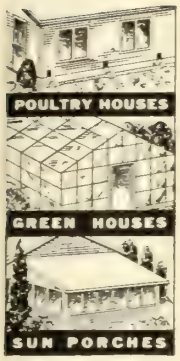
P.-W.'s NEW LAWN PEST-GO

The "double-barrel blitzer" of Crab Grass and Worms. Sure death to both without injury to the turf.

A sure killer of all lawn grubs, worms, night crawlers and their kindred ilk; as well as that peskiest of all lawn pests—**Crab Grass.** If applied properly it is not only 100% successful in killing all these pests, but this is done without any injury whatsoever to soil or turf. For "all-out" pest kill, application of **Lawn Pest-Go** should be made in Fall after the Crab Grass seed is ripe and fallen on the ground. For all purposes, 3½ lbs. of **P.-W.'s Lawn Pest-Go** completely treats 100 square feet of lawn. In Salt Lake City and vicinity early November or very early in Spring is proper time for this all-out treatment. If "grubs" and "night crawlers" are the only pests, treatment can be made any time from Spring until Fall, using only 1½ lbs. per 100 square feet of lawn area. Anyone can apply it, full directions with every bag. Packed in 12-lb. bags, **$2.00** each.



Life Cycle of the "White Grubs"



VITAPANE

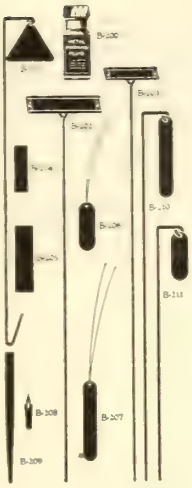
THE LATEST DEVELOPMENT IN GLASS SUBSTITUTES

Admits over 60% ultra violet!

Shatter-proof
Weatherproof

Made of 2 sheets of cellulose acetate fused on tough quarter-inch mesh cord.

50 ft. roll, 36 in. width	$ 9.25
150 ft. roll, 36 in. width	27.50
Broken rolls, per lineal foot	.20



Brandt's All-Metal Markers

Will not rust or corrode when marked with the B-200 marking fluid. All wire standards are approximately 18 inches in length.

Item	Price
B-200, each	25c
B-201, each	3½c
B-202, each	6c
B-203, each	5c
B-204, 5 for	5c
B-205, 4 for	5c
B-206, 3 for	5c
B-207, 2 for	5c
B-208, each	10c
B-209, each	10c
B-210, each	3½c
B-211, each	3½c

WENATCHEE FRUIT PICKING BAGS

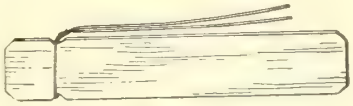
Endless steel frame keeps bag open; shaped to fit body comfortably. Adjusts quickly to ½ bu. for tender fruits . . opens to full bushel when desired. Empties easily from bottom. Leather-reinforced where the wear comes. Belt strap. Wide adjustable web suspenders. Easy-acting release snap.

Price, each $3.25, postpaid.

Wood Pot Labels

	Price per 100	Postpaid Price per 1000
PLAIN		
4 inch	$ .25	$2.50
6 inch	.40	3.10
8 inch	.70	5.00
10 inch	.95	8.00
PAINTED		
4 inch	.40	3.00
6 inch	.55	3.75
8 inch	.75	5.50
10 inch	1.10	9.50

Tree Labels



3½" Wired

	Per 100	Per M
Plain	$ .40	$2.75
Painted	.50	3.25

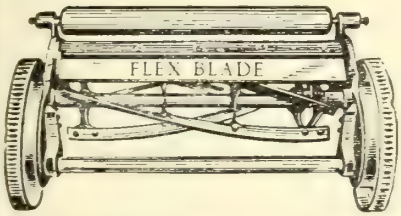
Clay Flower Pots

	Each	Per Doz.	Per 100
2½-inch Standard	$ .05	$ .45	$ 2.50
3 -inch Standard	.07	.50	3.00
4 -inch Standard and Bulb	.08	.60	4.00
5 -inch Standard and Bulb	.10	.85	6.00
6 -inch Standard and Bulb	.15	1.25	8.00

We take every precaution to pack lots so they will arrive at destination safely, but do not guarantee against breakage.

If saucers are desired, add ⅔ extra to above prices.

Prices are f.o.b. our store. Packed for shipping add 20 per cent. We advise express or freight shipment.



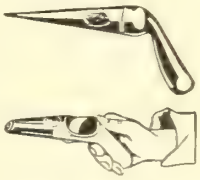
FLEX BLADE—The greatest lawn shearing invention of the age. Attaches to your old mower and makes it run like new. Eversharp and unbreakable. Sizes 14 to 21 inches. $2.00 each.

Cultivator with Weeder No. 1523 (left)—4-inch width. Each, $1.20.

Dibble No. 751 (upper right)—Each, 80c.

Hollow Planter No. 750 (lower right)—Each, 75c.

Add 10c for mailing tools.



WITH PLANT COVERS YOU GET BIGGER CROPS THAT BRING A HIGHER PRICE!

Germaco Hotcaps

Strong individual hothouses protect early set plants from frosts, storms and insects. 12 inches in diameter and 6 inches high.

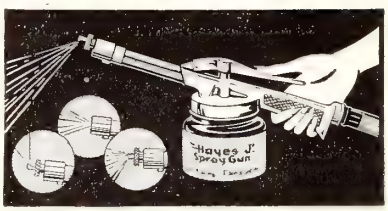
Pkg. of 25 with paper setter	$ .50
Pkg. of 100 with Fiberboard setter	1.95
Pkg. of 250 with Fiberboard setter	3.50
Carton of 1000, weight 28 lbs.	11.00
5000 (5 cartons), per M	10.75
Fiberboard setter	.15

Market CROPS 3 WEEKS EARLIER

Hot Houses (above) are 12 inches in diameter at the base and 14 inches high. Strengthened by a wire brace. Carton of 1000 without setter....$16.00 (Shipping wt. per carton, 35 lbs.)

Hayes Jr. Spray Gun

For "Average Size" Gardens



Makes three gallons of mixed spray material at a time. Sprays liquids and most wettable powders. Just attach **Hayes Jr.** to garden hose, turn on the hydrant, lightly press the conveniently long lever—and **Hayes Jr.** sprays! Operates on water pressure from 30 to 175 pounds. $5.95

Hayes-Ette Sprayer

For Small Gardens

AT LAST! A compact, little bantamweight that efficiently does the work of many larger sprayers. Simply attach to garden hose, lightly press the new No-Leak Thumb Button. Operates on 20 to 150-pound water pressure. Mixes up to 1½ gallons. Sprays all modern liquid spray materials free from soaps..... $2.95

Harco Sprayer

Plants blighted? Prevent and kill destructive pests with new, proven HARCO, only professional-type Sprayer priced so low. Quickly sends insecticide onto tops of tall shrubs, reaches undersides of small plants, penetrates hard-to-reach places—easy as pie to use. Durably made, trouble-free. No dripping $2.35

Hayes 25 to 1 Proportioner

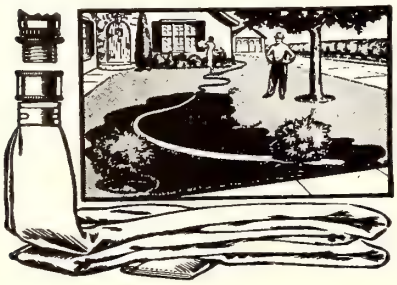
Applies Vitamin B_1 . . . Liquid and Soluble Fertilizers . . . Weed Killers . . . Insecticides and Fungicides.

Simply attach proportioner as illustrated at left with the suction hose in the pail of mixed concentrate. Apply thru a free flowing nozzle same as if watering. Each..... $1.95

Soil Soaker

Made of Canvas—Treated to Resist Mildew

SOIL-SOAKER, open only at one end, screws to the end of the water hose. SOIL-SOAKER fills and forces water through the pores of the entire surface, uniformly, without spray. Ideal for narrow parkings and terraces—prevents soil washing.

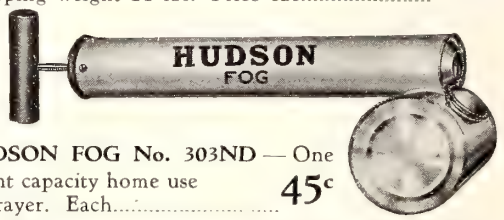


"Really Soaks Your Soil"

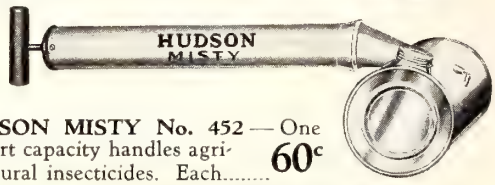
Four home sizes, postpaid—No.0, 12 ft., $1.40 ea.; No. 1, 18 ft., $1.90 ea.; No. 2, 30 ft., $2.90 ea.; No. 4, 50 ft., $4.75 ea.

HUDSON LEADER No. 192G (top right) — Nu-Eez Funnel top. 3¾ gallon capacity. Each..... $6.40

STAUFFER Knapsack DUSTER (top left)—Can be used for all dry dusting. Hopper capacity 20 lbs. Shipping weight 21 lbs. Price each..... $24.00



HUDSON FOG No. 303ND — One pint capacity home use sprayer. Each..... 45c



HUDSON MISTY No. 452 — One quart capacity handles agricultural insecticides. Each..... 60c

HUDSON ADMIRAL DUSTER No. 765—Will apply any dust insecticide. Chamber 2¾ x4½ inches. Each..... $1.60

CYANOGAS FOOT PUMP DUSTER —Designed to safely apply Cyanogas "A Dust" to rodent burrows. $7.00

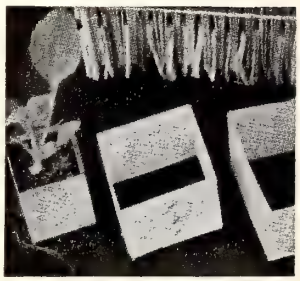
Shipping wt., 7 lbs. each

Wood Plant Bands (Spruce Veneer)

Ready-to-Use. There are no locks to put together, no tacks to drive, no folding of corners.

Size	Per 250	Per M
2x2x3	$1.50	$4.50
3x3x3	Not Available	
4x4x3	Not Available	

Not postpaid. Write for quantity prices.



ORTHO
REG. U.S. PAT. OFF.
GARDEN & HOME PRODUCTS

A More *Beautiful* GARDEN

To work in . . . To talk about . . . To show your friends

INSURE SUCCESS WITH ADEQUATE PROTECTION

MEALY BUG

THRIP

ANTS

CODLING MOTH

CATERPILLAR

SLUG

APHIS

ANT-B-GON

Dispensers

Feed alluring, uncontaminated Poison constantly

For Argentine and sweets-eating ants. One or two sets of dispensers are enough for average home.

Set of four 1-oz. Dispensers.....60¢

Ant Poison to refill dispensers (Refill every three to four weeks):

4-oz. Bottle.....20¢ 16-oz. Bottle....50¢

½-gallon Bottle $1.50

BUG-GETA BAIT. The sensational bait that attracts and kills Slugs, Snails, Cutworms, Sowbugs, Earwigs, Grasshoppers and Strawberry Root Weevil.

1-lb. Carton.....$ .25

2½-lb. Carton.. .50 30-lb. Bag . 3.75

6-lb. Carton..... 1.00

EXTRAX Insect Spray. The complete, easy to use, home garden insecticide. Use it on vegetables, too. For use against Aphis and many other garden insects. Economical—most dosages use one teaspoonful to a gallon of water.

1-oz. Bottle..$ .35 16-oz. Bottle..$2.75

4-oz. Bottle.. 1.00 ½-gal. Bottle 7.95

GREENOL Liquid Fungicide. For Powdery Rose Mildew. Contains Spreading and Wetting agents. Use with "EXTRAX" for combination insect and disease spray. 16 ozs. makes 100 gals. diluted spray.

1-oz. Bottle..$ .35 16-oz. Bottle $1.50

4-oz. Bottle... .60 ½-gal. Bottle 3.95

SCRAM DOG REPELLENT

A special powder used to keep dogs away from shrubs, flowers, lawns, store fronts, porches, etc. Easy to use. Does not harm animals.

8-oz Shaker 49c

VOLCK Nursery & Garden Spray. Envelopes, penetrates and smothers sucking insects like Scale, White Fly, Mealybug and Red Spider. Also a spray carrier and supporting agent for other sprays. Generally diluted 4 tsp. to ⅓ pt. per gallon.

4-oz. Bottle....25¢ ½-gal. Bottle..$1.25

16-oz. Bottle....50¢ 5 gallons 5.00

GARDEN VOLCK Spray. Has a penetrating "VOLCK" base. Contains Nicotine which increases insecticidal value for more complete spray against sucking insects. Not a spray carrier.

4-oz. Bottle....35¢ ½-gal. Bottle..$2.50

16-oz. Bottle....85¢ 5 gallons..... 10.00

ORTHO ROSE SPRAY KIT

SPECIAL COMBINATION OFFER. Contains 2-oz. bottle "EXTRAX" for Aphis and other insects and 2-oz. bottle "GREENOL" for use against Powdery Rose Mildew. Makes 12 gallons spray. Complete Kit $1.00

KLEENUP Winter Spray. An emulsive Oil Spray for use against certain Scale Insects during dormant season. Use with Bordeaux Mixture against Peach Leaf Curl and Peach Blight.

16-oz. Bottle....39¢ 5 gallons.....$4.95

½-gal. Bottle..85¢

CONTAX Pruning Paint. Protect all cuts with this modern plastic pruning and grafting composition.

1-pt..... 35¢

CALTOX Insecticide Dust. Shaker carton makes it easy to use against Sowbugs, certain Beetles, Caterpillars and Worms.

8-oz. Shaker..... 35¢ 20-ozs..... 60¢

ORTHO Rodent Destroyer. Kills Gophers, Rats, Squirrels and Mice. Made by patented formula. Strychnine is impregnated in grain and fruit pellets . . . Poison doesn't wash out.

6-oz. Carton....30¢ 1-lb. Carton....60¢

NEW! BUG-GETA PELLETS

Compressed BAIT

For use against Snails, Slugs, Cutworms, Sowbugs, Earwigs, Grasshoppers and Strawberry Root Weevil. Half as much bait goes twice as far . . . Easier to use—just scatter on wet ground—cleaner to handle and more economical.

12-oz. Carton..$ .25 5-lb. Carton..$1.00

2-lb. Carton.. .50 25-lb. Bag.... 3.60

ORTHO EARWORMICIDE. It costs only 35¢ and takes very little effort to keep the worms out of 120 ears of sweet corn. Leaves no objectionable residue.

4-oz. Bottle... 35¢ 16-oz. Bottle.... 75¢

ORTHO Earwig Bait. Guard against Earwig infestations which can become a menace to health. Prepared on a government formula.

2½-lb. Bag..... 50¢ 6-lb. Bag.... $1.00

OTHER FAMOUS SPRAY PRODUCTS

FLOTOX Sulfur....26-oz. 25¢ 4 lbs. 50¢

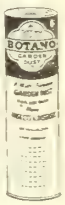
Bordeaux Mixture. 1-lb. 35¢ 4 lbs. 90¢

Calcium Arsenate 1-lb. 25¢ 4 lbs. 60¢

Lead Arsenate

1-lb. 35¢ 4 lbs. 90¢

BOTANO GARDEN DUST



"151." A multipurpose pesticide for use against Aphis and many other insects and diseases. Duster package, pumps dust right on the plants. Gardeners like it for vegetables because it leaves no poisonous residue.

10-oz. Duster 49c

1 lb. carton.....50c

ASK FOR FREE "ORTHO" GARDEN SPRAY GUIDE

Other Standard Commercial Insecticides

	1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Black Leaf 40	$2.42	$6.70	$11.65	$	$46.80	$
Bug-Dust-O-Cide, Bulk Sizes		1.60	3.00	6.95	12.00	20.00
Cyanogas "A" Dust	.75	3.00		10.00		25.00
Dusting Sulphur			.80	1.75	3.25	6.00
Naphthalene Flakes			.95	2.15		
Nico Dust No. 10				5.20	9.75	18.05
Paradow, packed in air-tight container	.55	1.75	3.00			22.50
Tartar Emetic	1.05	4.50				Each
Black Leaf 40					2 lbs.	$3.57
Bug-Dust-O-Cide, Duster Combinations					1 lb.	.50
					2½ lbs.	1.00
Bug-Dust-O-Cide, Bulk					3 lbs.	1.00
Naphthalene Flakes					1½ lb. pkg.	.35
Rat Bait Pellets (Ortho)					2 oz. pkg.	.25
Rat Nip					Tube	.35

Kryocide

REG. U. S. PAT. OFF.

NATURAL CRYOLITE

Guard Your Victory Garden Against Chewing Insects

SAFE FOR PLANTS . . . NON-POISONOUS

FATAL TO CHEWING INSECTS

Kryocide Spray	1 lb.	$ .40
Kryocide D-50 Dust	1 lb.	.50
Kryocide D-50 Dust	3 lbs.	.85

SUMMER FLOWERING BULBS

Numerals in ( ) indicate approximate height at maturity in inches (") or feet (').

Apios Tuberosa (6'-8') *ints*

(Tuberous-Rooted Wisteria)

Excellent hardy climbing vine. Flowers fragrant. Color chocolate brown. Two to four bulbs should be planted together as a depth of 3-4 inches.

Price, 3 for 50c; 10 for $1.50; 25 for $3.00; postpaid.

Anemone (St. Brigid Strain) (6"-12") *eorsS*

These lovely poppy-like flowers are exceedingly brilliant when in flower and excellent for cutting. The flowers range from single to fullest double, in white, crimson, cobalt-blue, lavender, heliotrope, rose, pink, or salmon. Picture in your mind the beauty they would add to your rock garden or flower beds. We have procured bulbs of matchless strain. The season for planting outdoors is early spring or throughout fall, beginning in Sept. The blossoming time is influenced by the season planted. Spring planting bloom in summer; fall planting bloom in springtime. Culture same as **Ranunculus. (See color illustration, page 51.)**

Bulbs, 10 for 90c; 25 for $2.00; 100 for $7.50; pstpd.

Begonias, Tuberous Rooted (4"-6") *fls*

Ideal for Shady Places

Few plants can equal these for garden show in brilliancy of color, duration, and perfection of bloom. The ideal situation is in a filtered sunlight where there is plenty of fresh air, protected from strong winds, as on the north side of buildings where they receive sunlight a portion of the day.

For best results, the tubers should be started indoors in January or February. Plant first in moist sand, and after they are well sprouted, put them in 4 in. pots in good, rich soil (about one-third Peat or leaf-mold, one-third well-rotted cow manure, and one-third good, sandy loam.)

After frost danger is over, plant outdoors. Set plants about 12 inches apart.

Double Giant Camellia—White, yellow, pink, salmon, red and mixed. **(Illustrated in color on page 51.)**

Double Fimbriata—White, yellow, pink, salmon, red and mixed. (Illustrated at right.)

Giant Singles—White, yellow, pink, salmon, red and mxd.

Prices—All varieties and colors:

Dormant Bulbs—1½"-2" diameter. (Available Feb. to April.) 3 for 60c; 10 for $1.65; 25 for $3.75; postpaid.

Three-Inch Pot Plants—Available May to July. 3 for $1.00; 10 for $3.00; 25 for $7.00. Not prepaid.

Cinnamon Vine *djtV*

A beautiful, rapid-growing summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. Dies down in winter, but grows with great rapidity in the spring.

Price, 3 for 35c; 10 for $1.00; 25 for $2.00; postpaid.

Caladium (3'-4') *fosS*

They are of gorgeous tropical appearance in very large, rich green leaves beautifully veined with deep velvet green.

Large size, 9-11" circumference.

Price, 3 for $1.15; 10 for $3.50; postpaid.

Cannas (4') *fksCN*

King Humbert—Scarlet flowers, bronze foliage. Large flowers freely produced, and handsome, broad tropical foliage.

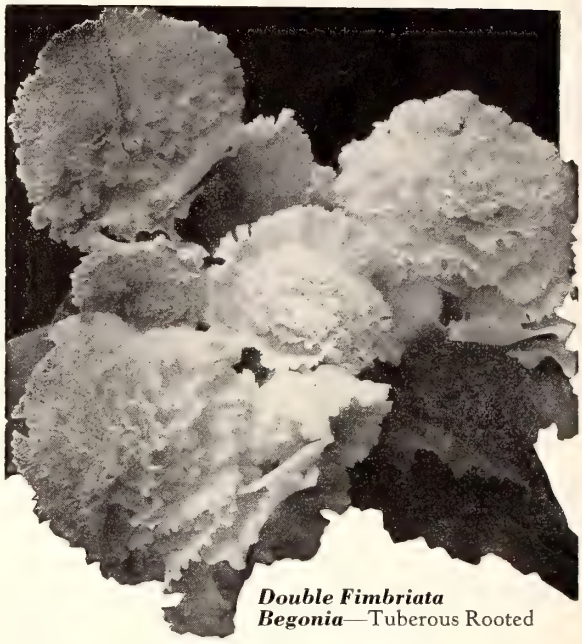
The President — A rich glowing scarlet with immense rounded flowers, seven inches across, produced on strong stalks well above the heavy foliage. Free bloomer.

Yellow King Humbert—Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red; measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. **(Illustrated in color on page 51.)**

Price of Cannas—

Dormant 2-3 Eye Roots—Available Feb. to April. 3 for 45c; $1.50 per doz.; $10.00 per 100. Postage extra.

Three-inch Pot Plants—Available April 20 thru June. 3 for 75c; $2.50 per doz.; $16.00 per 100. Express ship't.



Double Fimbriata Begonia—Tuberous Rooted

Madeira Vine *fjtCN*

Climbing Mignonette—A vine which will cover a large space in a short time. Fleshy heart-shaped leaves, and racemes of feathery fragrant flowers.

Price, 3 for 30c; 10 for 90c; 25 for $1.75; postpaid.

Montbretias Giant Mixed (24"-30") *fkrsCH*

These lovely flowers add beauty to any garden. The blooms are larger and the flower stems are very fine for cutting. The mixture contains many bright shades of yellow, salmon, scarlet and orange. Handle like Gladiolus and they will multiply rapidly.

Price, 3 for 30c; 10 for 90c; 100 for $7.50; postpaid.

Ranunculus (Buttercup) *ejorsN*

(See color illustration on page 52.) A wonderful range of colors—in fact, every desired color is included in this mixture. Culture: Best germination is acquired by placing tubers in a flat of sand, cover about one inch and keep moist. Place in a cool room for about one week or until sprouted, then plant outdoors when the soil becomes warm, placing the claws downward. They thrive in a drained sand loam. A small amount of peat moss or rotted compost should be worked into the soil to a depth of six inches, if needed. Before planting, the bed should be thoroughly watered. Cover the bulbs 2" and set 4-6" apart. Water sparingly until plants are well established, then they can use an abundance of water.

Price, 3 for 20c; 10 for 60c; 100 for $4.50.

Tigrida (Shellflower of Mexico) *fhrsN*

Few flowers are more gorgeously colored or so beautiful. Plant in sunny position in a flower border in well-drained soil. Can also be used in beds. Blooms from middle of July to September. Culture: Space large bulbs six to seven inches apart and five inches deep. They require average moisture, but can use lots of moisture during blooming season. Bulbs should be dug in fall and stored in damp sand throughout winter. **(See color illustration, page 52.)**

Price—Mixed Colors: 3 for 50c; 10 for $1.50; 100 for $12.50.

Tuberose (15") *fjrCU*

Double Dwarf Pearl—They have a rich, exotic fragrance. The lovely, large, wax-like flowers are borne on long, graceful stems. 3 for 40c; 10 for $1.20; 100 for $10.00; postpaid.

See page 77 for legend explaining key letters immediately following variety name

BEAUTIFUL PEONIES

The varieties we offer this spring are those kept in storage after fall sales were over. You can gain several months of growth by planting now rather than waiting for next fall.

All f.o.b. Salt Lake City. If by mail, add 8c per plant; 50c per 10, extra for packing and postage.

Culture—Don't plant too deep. The roots should be placed so that the crowns are covered with only 2 inches of soil, and spaced from 3½ to 4 ft. apart. NOTE: Figures following varieties indicate the rating given them by the American Peony Society. The highest rating a peony can receive is 10. There is no variety yet with such a rating; 9 is excellent, 8 is very good, 7 is good.

White Varieties

Festiva Maxima—9.3. Very early. Large, vigorous, floriferous. The best known white. 55c each; $5.00 per 10.

Francis Willard—9.1. Late. Opens light pink, changing to pure white. Large; very floriferous. One of the best whites. 80c each; $7.50 per 10.

Light Pink Varieties

Mons. Jules Elie—9.3. Early. Immense flesh-pink, shading deeper towards the base. Overlaid with a silvery sheen. Fragrant. 65c each; $6.00 per 10.

Myrtle Gentry — 9.1. Midseason. Rosy white, suffused with tints of pale pink, flesh, and salmon. One of the best peonies now under cultivation. $2.00 each.

Milton Hill—9.0. Late. A beautiful flower of a delicate shade of salmon-pink. Hard to beat in its color. $1.00 each: $9.50 per 10.

Deep Pink Varieties

Edulis Superba—7.6. Very early. The famous Decoration Day Peony. Flower is large, deep pink, very fragrant. 50c each; $4.50 per 10.

Souv. de Louis Bigot — 9.1. Midseason. Brilliant rose-tinted carmine at the base, changing to silvery salmon-pink as the flower matures. A real treasure. 75c each: $7.00 per 10.

Unnamed Double Peonies

White and **Pink**, Shades Mixed—Each, 35c; $3.00 per 10.

Mons. Jules Elie

Chinese Tree Peonies

These new hybrids form shrub-like plants 3-4 feet high which are literally covered with immense flowers 8 inches across. Very hardy, and a marvelous substitute for Rhododendrons, fitting into similar landscape situations.

Reine Elizabeth—Salmon-pink. Very showy. $5.00 each

Souvenir de Ducher—Sparkling white, silvery reflex. Pot plants, $5.00 each.

Souvenir de Maxine Cornu—Deep yellow, shaded orange: fragrant. Pot plants, $8.00 each.

MINIATURE AND POMPON DAHLIAS

Small Dahlias have many advantages over large ones. They are easier to grow, requiring less staking, tying, and disbudding. They bloom more freely than big kinds and can be used in borders. Finally, they are excellent cut flowers.

MINIATURE TYPE

Miniatures have the same form as the large exhibition types with smaller blooms, 2-4 inches across, and with wire-like stems which cut well.

Baby Royal—Salmon-pink and apricot with gold shadings. Exceptionally free flowering. 35c each.

Baby Sagamore—F.D. Perfect decorative form. Flowers are golden yellow, borne very profusely on tall, strong plants. 35c each.

Bishop of Llandoff—Duplex. Brilliant rich red blooms with a contrasting dark bronze-black foliage. So very unusual you'll enjoy it in your garden. 50c each.

Coronne—F.D. A very beautiful, waxy white, resembling a Gardenia; a florists' gem. 35c each.

Persimmon—F.D. True persimmon on orange flame. A color hard to find in Dahlias. 35c each.

POMPON TYPE

Type the same as Ball Dahlias except the flowers are not more than 1-2 inches across. All have strong stems and are splendid keeping cut flowers. Plant 3½-4 feet tall.

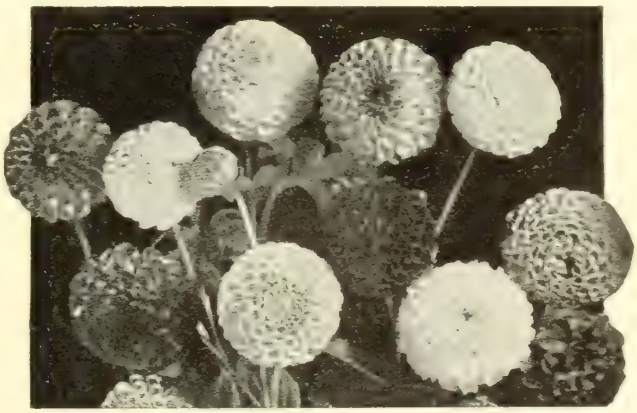
Allbright—A deep gold, heavily tipped and toned red. Visitors at our Centerville gardens are fascinated with this Dahlia. 35c each.

Doria—New Australian. Most perfect form Pompon we have ever seen. Color rich maroon-red. 40c each. (See color page 51.)

Joe Fette—This is the leading white variety. Medium sized flower of good shape and with nice stems. 30c each.

Little David—Deep burnt orange; small flower of good shape and substance. 35c each. (See color page 51.)

Mary Munns—Fine lavender variety that is considered among the very best in this color. Good producer. 30c each. (See color page 51.)



A Group of Pompon Dahlias

Miniature Group Offer No. 449A

10 Bulbs — 2 each of the 5 varieties, postpaid..... **$3.00**

Pompon Group Offer No. 449B

10 Bulbs — 2 each of the Pompons, postpaid..... **$2.75**

P.-W.'s DAHLIAS — Special Merit

Collection of New and Worthwhile Varieties — All Prize Winners

Dahlia Culture—A bulletin on Dahlia Culture will be mailed FREE upon request. Ask for it.

Abbreviations: I.D.—Informal Decorative; F.D.—Formal Decorative; S.C.—Semi-Cactus; C.—Cactus.

California Idol—F.D. One of the very finest large yellows. Won first as the largest dahlia in the 1936 California Dahlia Society Show. Good, long, strong stems. An ideal grower everywhere in the United States, and in great demand. 60c each; 3 for $1.50.

Chas. Mastick——F.D. Bright orange yellow shading to grenadine pink on reverse. Edge of each petal has a ruffled appearance. A good keeper, heavy bloomer and excellent cut flower. 50c each; 3 for $1.25.

Eleanor Francis—I.D. Bright red, large blooms on long stems. Half dozen blooms at one time are not uncommon. 60c each; 3 for $1.50.

Grace Curling—I.D. Pure lilac with pink tint and shading to white at base. Its large blooms with cleft petals add interest to the form. A very beautiful, long-stemmed variety and one of the best keepers. 35c each; 3 for 90c.

Hunt's Velvet Wonder—I.D. Big, deep blooms, often 12 inches, on extra strong stems. Color a rich, bright violet Burgundy; under some lights looks royal purple. Winner of many special awards. A true Roll of Honor Dahlia. 60c each; 3 for $1.50.

Jane Cowl—I.D. One of the few graceful giants. It is an immense, glistening, bronzy buff and old gold, with just enough twist to the broad petals to make it beautiful. Free blooming and excellent for cutting and show purposes. Fine stems. A good keeper. 35c each; 3 for 90c.

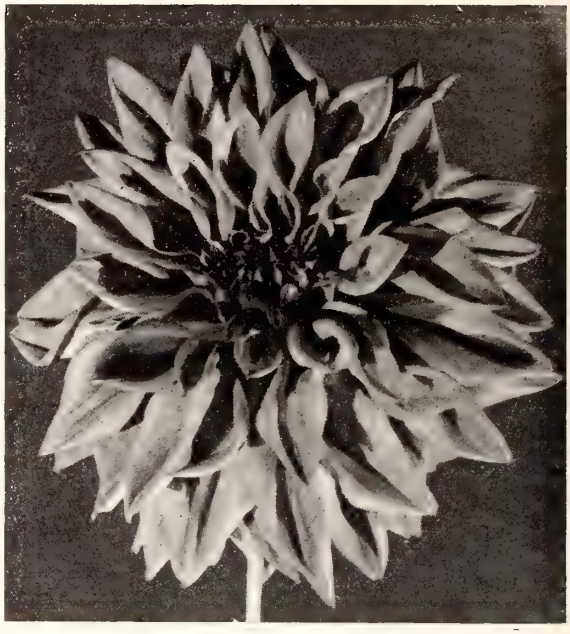
Jersey Beauty—F.D. There are a lot of folks who consider this the finest Dahlia ever introduced. Color is a lovely pink with a shading of chamois. Flowers of splendid form on long stems. Very stately, vigorous plants. 35c each; 3 for 90c.

Julia Irene

I.D. Large rose pink. Strong stems hold the huge flowers well above the bushy plant. It is both a good cut flower and a wonderful garden decoration. 75c each; 3 for $2.00. **(See color illustration on opposite page.)**

Little Miss Puget—F.D. One of the heaviest bloomers in our garden. Flowers are a deep buff shade and one of our best fall colors. Fine garden variety. 50c each; 3 for $1.25.

Marie Dressler—F.D. A Jersey Beauty in pomegranate red. Long stiff stems and good keeping quality make this a perfect flower for florists. 50c each; 3 for $1.25.



Formal Decorative Type Dahlia

Maryland Glory—F.D. Very striking tyrian rose shade, held upright on stiff stems. This is a real florists' favorite. 50c each; 3 for $1.25.

Mrs. Geo. Leboutillier — I.D. Rich carmine, enormous blooms held erect on cane-like stems. It makes a wonderful showing in the garden. 35c each; 3 for 90c.

Norene Newsom — F.D. Deep burnt orange, ideal fall coloring. Profuse bloomer, excellent for cut flower purposes. 50c each; 3 for $1.25.

Omar Khayyam—F.D. Large flower of Chinese red and orange. Strong grower with stiff stems. 35c each; 3 for 90c.

Oriental Beauty — S.C. Lovely, bright rose-pink of incurved form, flowers on good stems. This variety has instant appeal. 75c each; 3 for $2.00.

Thomas Edison—F.D. Rich regal red-violet, selected personally by Mr. Edison to bear his name. Large blooms, fine stems, and a very fine keeper. 60c each; 3 for $1.50.

Tippy—Ball. Yellow flushed with bronzy cerise, good stems and profuse bloomer. Tops for cutting. 35c each; 3 for 90c.

White King—F.D. A pure white. Large blooms on long stems. Free flowering. 35c each; 3 for 90c.

BLUE RIBBON COLLECTION 450A

One each of the following:

California Idol—Yellow
Hunt's Velvet Wonder—Violet
Jane Cowl—Bronzy buff
Oriental Beauty—Rose pink

$2.30 Value,
All postpaid **$1.85**

P.-W.'s SURPRISE DAHLIA COLLECTION OFFER NO. 450B

A Dozen Fine Tubers in Choice Color Selection

While this charming lot is unnamed, it contains no two alike. Every one will be **a surprise in value and beauty** during the late summer and fall.

The entire lot of 12,
postpaid for..... **$2.50**

BEGONIA DOUBLE FLOWERED (Tuberous Rooted.) Ideal for shade. Bulbs ready in February—Plants ready in May. (See page 48.)

Special Flower Bulb Offer No. 451A.

Consisting of 3 Cannas, 1 each President and Yellow and Scarlet K. Humbert, 3 Begonias, Tuberous R., Asst. colors, 10 Anemones, St. Brigid, 16 bulbs and tubers in all.

$2.00
Postpaid

CANNA, Yellow King Humbert (See page 48.)

(At right) **3 POMPON DAHLIAS. Little David**—Burnt orange, each **35c; Doria**—Purplish maroon red, each **40c; Mary Munns**—Fine lavender, each **30c.**

Dahlia Group Offer No. 451B

Consists of one each of the beautiful Dahlias shown on this page. 4 bulbs in all.

$1.50
Prepaid

(Above) **ANEMONE, St. Brigid Strain.** These lovely poppy-like flowers are exceedingly brilliant when in flower and excellent for cutting. (See page 21.)

JULIA IRENE ("I D").. (See page 50.) **75c each.**

(Above) **TIGRIDIA—Shellflower of Mexico.** Few flowers are more gorgeously colored or so beautiful. Plant in sunny position in a flower border in well-drained soil. Same treatment as for gladioli. Can also be used in beds. Blooms from middle of July to September. Mixed colors, **3 for 50c; 10 for $1.50; 100 for $12.50.**

NEW GLADIOLUS—Shirley Temple (at right). The finest in its color. (See page 53.) →

(Below) **RANUNCULUS—New Giant Hybrids.** (See page 48.) A wonderful range of colors—in fact, every desired color is included in the mixture. Plant the bulbs as soon as the soil has become warm, placing the claws downward. Cover 2" and set 4-6" apart. **3 for 20c; 10 for 60c; 100 for $4.50.**

No. 452—Collection of New "Glads"

"TOPS" OFFER

$2.00

5 BULBS EACH—

Beacon
Shirley Temple
Rosa Van Lima
Peggy Lou
Rewi Fallu
Golden Chimes
Minuet
Vagabond Prince

P-W's GLADIOLUS—Show Winners

White

Maid of Orleans Early—Cream-white. The pure white florets have cream throats. Many perfect florets are in full bloom at once; it is excellent for exhibition. 3 for 22c; 10 for 60c; 100 for $5.00.

Margaret Beaton—One of the most beautiful, and winner of many prizes. Very large, tall, pure snow white with small red blotch in throat. 3 for 35c; 10 for $1.00; 100 for $9.00.

Star of Bethlehem Midseason—Extra large, pure white. Long, straight stems. Medium early. Probably the best white to date. 3 for 22c; 10 for 60c; 100 for $5.00.

Cream

Shirley Temple Midseason—Illustrated in color on opposite page. Produces excellent spikes of the softest, yet richest deep cream color without suggestion of yellow. Flowers ruffled and very large. 3 for 25c; 10 for 75c; 100 for $6.50.

Buff

Wasaga Midseason — Beautiful clear glowing buff with wide open, well ruffled blooms. It has been called the most beautifully colored Gladiola in the world. 3 for 15c; 10 for 55c; 100 for $4.50.

Yellow

Gate of Heaven Late Midseason—Fine rich deep yellow, ruffled petals. 3 for 22c; 10 for 60c; 100 for $5.00.

Golden Chimes Early—A fine exhibition Gladiola. Light yellow color and highly ruffled. 3 for 22c; 10 for 60c; 100 for $5.00.

Orange

LaFiesta Midseason—Tall, beautiful orange. In this climate the best of its color. 3 for 22c; 10 for 60c; 100 for $5.00.

Johannes S. Bach Early — A beautiful orange-salmon, lighter in throat, with white midribs. Tall, strong grower with well arranged flower heads. A beautiful variety. 3 for 20c; 10 for 55c; 100 for $4.50.

Salmon Pink

Aladdin Early—Immense ruffled salmon pink with cream blotch. Strong grower. 3 for 25c; 10 for 75c; 100 for $6.50.

Picardy Midseason—A clear, soft, shrimp-pink with inconspicuous feathering of rose. This variety has been a sensation ever since its introduction. A "must have" for everyone growing Glads. 3 for 20c; 10 for 55c; 100 for $4.50.

Pale Pink

New Era—Eosine pink blended with LaFrance pink, soft cream throat. Richest color of any Glad introduced to date. Extremely ruffled. Very frilled. Ten open florets, 18 florets and buds. Consistent winner. 3 for 30c; 10 for 90c; 100 for $8.00.

Rose Pink

Rosa Van Lima Second Early—Light rose with a few lines in the throat. Sensational new variety. 3 for 22c; 10 for 60c; 100 for $5.00.

Dark Pink

Peggy Lou Midseason—New light rose that has probably won more awards on the show table than any other variety, outside of Picardy. 3 for 22c; 10 for 60c; 100 for $5.00.

Scarlet

Beacon Med. Early—Clear bright rose-scarlet with large cream blotch. It stands out like a beacon in any Gladiola garden. One of the real 100 per cent class. 3 for 25c; 10 for 65c; 100 for $5.50.

Kassel—A bright attractive scarlet with no markings. Beautiful well formed large flowers on tall stem. Excellent grower and a fine variety for cutting. 3 for 20c; 10 for 55c; 100 for $4.50.

Dark Red

Moorish King Midseason—Very dark mahogany maroon of fine substance. One of the best "blacks." 3 for 25c; 10 for 75c; 100 for $6.50.

Red

Rewi Fallu Early—Deep blood red. Immense blooms of heavy texture on a moderately tall, straight spike. One of the best of this color group. 3 for 25c; 10 for 75c; 100 for $6.50.

Lavender

Minuet Midseason—Considered one of the best lavenders in existence, six blooms generally open at once. Strong spike and heavy foliage; a grand exhibition flower. 3 for 20c; 10 for 55c; 100 for $4.50.

Light Violet

Blue Beauty Early Mid-season—An early light blue, darker towards edge. The best of its class this year. 3 for 25c; 10 for 75c; 100 for $6.50.

Dark Violet

Pelegrina Early—A pure dark violet-blue. When the first florets open, nearly all of the 16 to 18 buds are showing color. One of the most consistent prize winners. Everyone should have it. 3 for 20c; 10 for 55c; 100 for $4.50.

Purple

Chas. Dickens Med. Early—Large, deep, rich velvety claret purple with darker blotch. 3 for 20c; 10 for 55c; 100 for $4.50.

Smoky

Vagabond Prince Midseason—Color irridescent garnet brown, shading lighter in the throat with a flame blotch on the lip. Gorgeous. A basket of these would pep up the window of any flower shop. 3 for 20c; 10 for 55c; 100 for $5.00.

Zuni Midseason—A refined combination of salmon and slate with a slight feather of orange-salmon. Many consider this the best smoky. Zuni is a strong, vigorous grower. 3 for 35c; 10 for $1.00; 100 for $9.00.

P.-W.'s Superb Mixed—Our special mixture from the best named types. A well-blended combination of all colors and shades. Plant plentifully so as to have cut flowers in quantity. 3 for 15c; 10 for 40c; 100 for $3.00.

The bulbs of all the named varieties listed are of number one top size and will produce large flowers and sturdy stems to your complete satisfaction.

Special!

OFFER 453

Send us only $1.00 and we will send you 50 bulbs (all over one inch diameter), 10 each of 5 varieties

$1.00

P.-W.'s HARDY SHRUBS

Following each variety and the informational code, we indicate the height and spread at maturity. For example: (H 3-4, S 3-4) may be interpreted: "height 3 to 4 feet, spread 3 to 4 feet." It is understood that the sizes given are only approximate and will vary considerably according to soils and climate.

All prices on shrubs are f.o.b. Salt Lake City. See page 58 for quantity price schedule. If wanted by mail, add postage at zone rates. The shipping weights are as follows: Size 18"-24", one only weighs 3 lbs.; add 2 lbs. extra for each additional plant. Size 2'-3', one only weighs 5 lbs.; add 3 lbs. extra for each additional plant. Size 3'-4', one only weighs 7 lbs.; add 4 lbs. extra for each additional plant.

Almond

Double Flowering hkvAUVW (H 3-4, S 4)—Completely covered with sweetly scented flowers before the leaves appear. See color page.

Pink or White, each, 18-24", 60c; 2-3', 80c; 3-4', $1.00.

Althea (Hibiscus) (Rose of Sharon) *hjptCNVW* (H 10', S 5')

Coelestris Blue—The gorgeous single disc-like flowers are produced in great quantity. Planted with the white variety, Snowdrift, it creates a most beautiful color effect.

Snowdrift—Giant single, pure white flowers fully 4 inches across.

Rubis—Very large wide open flowers of deep rose-pink with deeper center. The best and most brilliant of all single pink varieties.

Price of any of above, 2-3', 75c each.

Aralia

Spinosa (Devil's Walking Stick) hjtCNVW (H 15-18, S 7-8)—Blooms are large panicles, white flowers followed by black berries; develops a tree-like form. Very spiney branches, 2-3', 75c.

Berberis

Japanese Barberry gjpuvBENVW (H 3-4, S 3-4)—Too well-known to require any comment. In fall its colored foliage and red berries cheer the boundaries of millions of gardens and homes. 15-18", 35c; 18-24", 45c. For hedges, 12-15", 25 for $5.25, 100 for $18.00.

Mentor Barberry (Berberis Mentorensis) Pat. No. 99 gjpuvBNVW (H 3-4, S 3-4)—New hardy semi-evergreen barberry. Sturdy, erect growth carries a thick, dark, attractive green foliage right down to the ground. 15-18", 50c; 3 for $1.35; 10 for $4.20; $37.50 per 100. 18-24", 65c; 10 for $5.00; $45.00 per 100.

Red Leaved Barberry (B. Thunbergii Atropurpurea) gkpuvBENVW (H 3-4, S 3-4)—Identical with the popular Japanese Barberry except foliage, which is a rich, bronzy red color. See color illustration. 15-18", 45c; 18-24", 65c.

Important information about adaptability, placement and cultural treatment is indicated in the letters immediately following variety or family names. See page 77 for full explanation.

Buddleia (Butterfly Bush) *hjrtFUVX*

Alternifolia (H 4-6, S 4-5)—Flowers deep lavender-purple with reddish crimson eye, very compact clusters. Prolific bloomer; fine leaves and branches of semi-weeping habit; most outstanding. 2-3', 75c.

Dubonnet (H 6, S 4)—Long firm spikes of the lovely Dubonnet wine shade. The shrub is erect, strong stemmed, and has very attractive leathery foliage. 2-year plants, 75c each.

Ile de France (H 5-6, S 4-5)—New, dark, claret-purple; long spikes, free flowering, vigorous. 1-year plants, 40c; 2-year plants, 65c.

Caragana

Siberian Pea Tree gkptBNVW (H 8-10, S 8)—Compound leaves, bright green; numerous small clusters of yellow flowers. 2-3', 35c; 4-6', 85c.

Hansen's Bush Cherry *gkpvBUV*

These new dwarf fruit bushes (H 3-4, S 4-5) are excellent for hedges and ornamental shrubs. They are perfectly hardy, even in the generally colder sections where they are extensively planted for their fruit. (See details on page 67.)

Cornus (Dogwood) *glntBNVX*

Golden Twig (C. Stolonifera Lutea) (H 7-8, S 7)—Clusters of white flowers; stems and branches are yellow. 2-3', 65c.

Red Siberian (C Sibirica) (H 6-8, S 6)—Produces cream-colored flowers, light blue fruits, and bright red twigs and branches. 18-24", 45c; 2-3', 65c; 3-4', 75c.

Cotoneaster *gjtvBENVW*

Acutifolia (H 6-7, S 5-6)—Especially desirable for its dense, dark green foliage effect; blooms pinkish white, berries black. 18-24", 60c; 2-3', 75c.

Divaricata (H 5-6, S 4-5)—Hardy, with spreading and arching branches, small glossy, green leaves, pink blooms; bright red berries in the fall. Bare root, 2-3', $1.00; Balled and Burlapped, 2-3', $1.50.

Buddleia (Butterfly Bush)
Ile de France

Foundation?
Border? Screen?
USE SHRUBS!

Typical Red or Green Barberry Hedge

Mentor Barberry (U. S. Pat. No. 99)

Cydonia (Fl. Quince)

Japonica (Japanese Quince) gkpsvANVW (H 4-5, S 5) —Brilliant crimson flowers, among the first in the spring. See color illustration. 18-24", 60c; 2-3', 75c.

Ruby Flowering Quince (Dwarf) gksuAENVW (H 3-4, S 3-4)—It has a low, neat habit of growth; good foliage, and attractive flowers, followed by large yellow fruit. 18-24", 75c.

Deutzia

Gracilis (Slender Deutzia) houvBUVW (H 2-3, S 3)—A favorite dwarf shrub covered with spikes of pure white flowers. 18-24", 90c.

Lemoine hopuBUVW (H 3-4, S 2-3) — Flowers single white, borne on upright branches, 2-3' 90c.

Eleagnus

Umbrellata (Autumn Eleagnus) gjtBENW (H 10, S 8-10) —Shrub with handsome gray-green foliage; flowers yellowish white and very fragrant. 3-4', $1.00.

Russian Olive—See page 64.

Euonymous *hjtvBEVW*

Alatus Compacta (H 5-6, S 5) — Foliage bright green, changing to a deep rose in autumn, a color unusual among shrubs. Its winged branches and orange-red berries make it invaluable for winter landscapes. 18-24", $1.00.

Americana (H 7-8, S 6-7)—Similar to the above, except that it is a larger grower. 2-3', 75c.

Forsythia (Golden Bell) *gjtAVY*

Fortunei (H 7-8, S 6)—Strong, erect habit; bright golden yellow flowers before the leaves appear. 18-24", 40c; 2-3', 60c; 3-4', 75c.

Spectabilis—The showy border Forsythia. Because of its pleasing habit of growth, hardiness, and its large, profusely borne flowers, it is the best and most useful of all Forsythias. See color illustration. 18-24", 45c; 2-3', 75c; 3-4', 85c.

Fringe Tree

Rhus Cotinus gjtBUVW (H 8-10, S 8)—Known as purple fringe. A garden favorite for 2,000 years. This is a most interesting and distinctive flowering shrub. 2-3', $1.00.

Hamamelis

Witch Hazel gotAENUVW (H 10-12, S 9)—Attractive bright yellow flowers and fruits in late fall and early spring. 2-3', 90c.

Hydrangea

Aborescens Grandiflora (Hills of Snow or Snowball Hydrangea) hosvBSVX (H 3, S 3)—Snow white blossoms of largest size, 2-3', 80c.

Paniculata Grandiflora "Pee Gee" hosvCSVX (H 5-6, S 5) —Blooms pure white to pink, and finally to a beautiful rich coppery red. 2-3', 80c.

Oak-Leaved (Quarcifolia) hosvCSVX (H 3-4, S 3) — Leaves similar to an oak leaf. Pure white flowers borne in huge panicles; colorful autumn leaves. 18-24", $1.25.

Honeysuckle (Bush Lonicera)

Tartarian gjptBENOVW (H 8-10, S 6-8)—Pink, white and red. Most popular of the bush varieties.

Pulcherrima gjlptBENOVW (H 8-10, S 6-8) — A new bright red Tartarian.

Fragrantissima (Winter Honeysuckle) gjlpstvANVW (H 6, S 4)—Fragrant white and yellow flowers with semi-evergreen foliage.

Korolkowi Floribundi (Blueleaf Honeysuckle) gjltvBNVW (H 6-8, S 4-5)—A novelty with blue-green foliage and rose-pink flowers. 2-3', $1.00.

L. Morrowi gjlptBENOVW (H 6-8, S 6)—White and yellow flowers. No species more handsome in fruit than L. Morrowi.

Spinosa Alberti gjlquxBENVW (H 2, S 2-3)—Dwarf-growing type with bluish-green leaves and fragrant rose-pink flowers, followed by pale bluish-red or white berries. 18-24", 75c.

Maacki (Prodocarpa) gjptBENVW (H 8-10, S 8)—Late Honeysuckle. A newer species to the American gardens; large milk-white flowers clustering its rigid branches from base to tip; leaves hold until late in November. Berries dark red. 2-3', 75c.

Any of the above Honeysuckles, except where noted—Price, 18-24", 45c; 2-3', 65c; 3-4', 75c; specimen clumps, $1.25.

Kerria

Japonica Double hjluvFNVX (H 4-5, S 3)—A graceful shrub with attractive orange-yellow flowers, bright green leaves and bark. 18-24", 75c; 2-3', $1.00.

Kolkwitzia Amabilis

Beauty Bush hktvBUVW (H 6-8, S 6)—Long, arching branches; all the merits of a perfect shrub, combining hardiness, beauty of foliage, and amazing profusion of pale pink, bell-shaped flowers. See color illustration 18-24", $1.00; 2-3', $1.25.

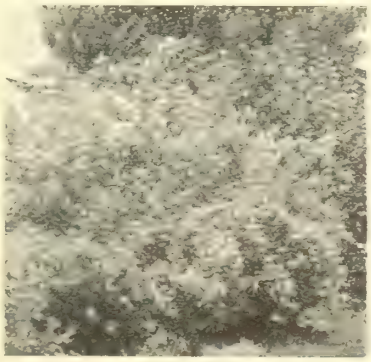
Ligustrum

Vulgare (English Privet) gjlptBENVZ (H 10-12) — A hardy plant with lustrous black berries and dense, deep green foliage. 2-3', 40c. For hedges, 18-24", 25 for $5.00; 100 for $15.00; 2-3', 25 for $7.00; 100 for $22.00.

Ibota Regelianum (Regel's Privet) hjlpxBENVZ (H 6-8, S 4-5)—Its horizontal effect with its wealth of metallic black berries in the fall make it a desirable subject for shrub groups. 2-3', 80c.

Lodense (Dwarf Privet) hjluvNWZ (H 2-3) — Glossy, deep green foliage; splendid for dwarf shrubs and low hedges. 15-18", 45c; 18-24", 60c. For hedging, 9-12", 25 for $8.75; 100 for $30.00.

Kolkwitzia Amabilis (Beauty Bush)



Honeysuckle Pulcherrima

Fringe or "Smoke Tree"

See page 77 for legend on key letters immediately following variety name

All prices on shrubs are f.o.b. Salt Lake. See page 58 for quantity price schedule. If wanted by mail, add extra for postage at zone rates. See page 54 for shipping weights.

Typical French Lilac Bush

LILAC SPECIES

Josikaea (Hungarian Lilac) gjtBNVW (H 10)—Erect purple flowers blooming late in June. 2-3′, 75c.

Japanese Tree Lilac (Syringa Japonica) hotBSVW (H 18-20)—Grows into a handsome, well-shaped tree, producing large, loose bunches of creamy-white flowers. 3-4′, $1.50.

New Chinese or Rothomagensis gjtpBNVW (H 10)—A distinct hybrid variety with slender stems, reddish purple flowers. 18-24″, 60c; 2-3′, 85c; 3-4′, $1.00.

Persian gjtpBNVW (H 10) — Light purple flowers with slender, drooping branches. 2-3′, 75c.

Vulgaris gjtANORVW (H 12-15)—The well-known old fashioned common Lilac. We furnish both the **White** and **Purple.** 18-24″, 50c; 2-3′, 65c.

SPECIAL OFFER NO. 456—Prolong the Lilac Season

Fr. Hybrid Lamartine—3-4′. Very early.
Chinese—2-3′. Early midseason.
Rhum Von Horstenstein—2-3′. Midseason.
Hungarian-Josikaea—2-3′. Very late.

One of each of above, postpaid for..... **$4.25**

GEORGEOUS NEW FRENCH LILACS (H 10′-12′) *gjtvBNVY*

Until you have seen these marvelous shrubs in full bloom you will never appreciate their loveliness. These fourteen varieties, three of which are included among the world's best twelve, **are all grown on their own roots.** Being native in the mountains of China they are ideally adapted to our Intermountain States. Lilacs are best planted from the latter part of October until the ground freezes, but very early spring planting will also give good results. The varieties starred (★) are from the world's best twelve. All the others are highly recommended. (D) following the name indicates double petals. (S) indicates single.

Charles Joly (D)—Even toned, dark purple-red. 18-24″, $1.25; 2-3′, $1.50.

Jan Van Tol (S)—A new white of high quality. 2-3′, $1.50.

★**Katherine Havemeyer** (D)—Lilac, opening to a pale lobelia violet. Panicles of the greatest size. 18-24″, $2.50; 2-3′, $3.00.

Lamartine (S)—Large clusters of mauve pink flowers. One of the earliest to bloom. 2-3′, $1.50; 3-4′, $1.75.

★**Leon Gambetta** (D) — Buds cinnamon drab, opening pinkish lilac. One of the finest of all. 18-24″, $2.50; 2-3′, $3.00.

★**Miss Ellen Willmott** (D)—Immense panicles of perfectly formed creamy white flowers. The greatest double white lilac. 18-24″, $2.50; 2-3′, $3.00.

Mont Blanc (S)—Buds greenish yellow, opening pure white. 18-24″, $1.25; 2-3′, $1.50.

Mme. Lemoine (D)—Buds viridine yellow, opening snow white. 18-24″, $1.25; 2-3′, $1.50.

Ruhm Von Horstenstein (S)—Immense blooms of light red-purple. 18-24″, $1.25; 2-3′, $1.50.

Reaumor (S)—Buds neutral red, opening purple tinged saccordo's violet. 18-24″, $1.25; 2-3′, $1.50.

Sov. De Ludwig Spaeth (S)—Buds carmine to Schoenfield's purple, opening rose-purple. 18-24″, $1.25; 2-3′, $1.50.

Vestale (S)—Pure white and highly attractive. 2-3′, $1.50.

NOVELTY LILAC COLLECTION OFFER No. 456-A

Consists of the following:

1 Katherine Havemeyer, Double blue violet; **1 Miss Ellen Willmott,** Double creamy white; **1 Leon Gambetta,** Double pinkish lilac. 3 in all, size 18-24 in. (Reg. price, delivered, $7.90.)
All postpaid for..... **$6.00**

Philadelphus (Mock Orange) *gjpstBNPVW*

Bouquet Blanc (H 4-5)—Semi-double blooms; bouquet-like clusters.

Coronarius (H 6-8, S 4-5)—Large, single flowers; grows tall and upright.

Lemoine (H 4-5, S 4)—A smaller and more delicate form than the others.

Grandiflorus (H 8-10, S 5-6)—Similar, but a larger grower than Coronarius. Clumps, $1.25.

Virginalis (H 7-8, S 7)—A vigorous, tall grower, with very large, double-crested, sweetly-scented clusters of pure white blossoms throughout the season. 18-24″, 75c; 2-3′, 85c; 3-4′, $1.00.

Any of the above varieties, except where noted, 18-24″, 50c; 2-3′, 75c; 3-4′, 85c.

Photina

Villosa hktBEUVW (H 10, S 8)—The charm of this lies in the fruits; red berries from summer till winter. 2-3′, 75c.

Potentilla

Fruticosa gkmuFNVW (H 2-3, S 3)—A dwarf shrub, producing an abundance of yellow blossoms over a long period of time. 18-24″, 75c.

Philadelphus Virginalis

Physocarpus (Ninebark)

Opulifolius gotBNVW (H 8-10, S 6)—Tall, vigorous shrub; white flowers followed by bright red seed capsules. 2-3′, 60c; 3-4′, 75c; clumps, $1.25.

Opulifolius Nana gostBNVW (H 4-5, S 5)—Dwarf form, dense growing, attractive white flowers followed by red seed pods. 2-3′, 60c; 3-4′, 75c.

Rhodotypos

Kerrioides (White Kerria) hjlmsvEVW (H 4-5, S 3) -White flowers and black fruits which hang all winter; foliage very attractive. 2-3′, 90c.

Rhus (Sumac)

Canadensis Dwarf hjmsuxBNVW (H 3-4, S 4-5)—Blossoms yellow catkinlike, its foliage differs greatly in texture from that of other Sumac and is very fragrant when crushed. 2-3′, 85c.

Glabra gmtBNVW (H 6-8)—A new cut-leaf variety with a splendid fruit display. 4-6′, $1.00.

Typhina (Staghorn Sumac) gjmtxBENVW (H 10-12) — Develops colored leaves and red fruit. 2-3′, 50c; 3-4′, 65c; 4-5′, 75c; 6-8′, $1.25.

Typhina Laciniata gjmtxBNVW (H 8-10, S 6)—A cut-leaved variety producing a fern-like foliage effect. 2-3′, 60c; 3-4′, 85c; 4-5′, $1.00

Robina *hjmstxBUVW*

Hispida (H 4-5, S 5)—This beautiful shrub is much appreciated because of the abundance of its large, pea-like, rose-pink flowers. 2-3′, 90c.

Sambucus (Elder) *gjnstBNVX*

Acutiloba (Cut-Leaf Elder) (H 8-10, S 8)—Attractive, finely cut green leaves, white fragrant flowers, followed by clusters of blue-black berries. 2-3′, 65c.

Canadensis Aurea (Golden Elder) (H 8-10, S 8)—Bright yellow foliage; commonly used in massed plantings to avoid monotony in the green effect. 2-3′, 75c.

Spirea Van Houtte (Bridal Wreath)

COLLECTION 457
for SHADY PLACES

6 three-year-old shrubs

1 Cornus Red (Dogwood), 1 Berberis Mentorensis, 1 Symphoricarpus Chenaulti, 1 Symphoricarpus Snowberry, 1 Spirea Arguta, 1 Regel's Privet.

SPECIAL, prepaid at..... **$4.00**

Sorbaria *gjlotCSVX*

Aitchinsoni (H 6-8, S 6-8)—Handsome shrub, the bright green fern-like foliage contrasting well with the bright red stems; white flowers in upright panicles 12″ long. 2-3′, 75c; 3-4′, $1.00.

Spirea

Arguta gjsvANVWY (H 4, S 3)—Fine, deep green foliage; mintue, purest white flowers.

Billardi gjosBNVW (H 6, S6) — Upright grower with pink flowers in spikes or plumes 5-6 inches long.

Douglasi gjosBNVW (H 4-5, S 6)—Very similar to Billardi with the exception of height and is more spreading in habit.

Frobeli gjusvBCNVY (H 4, S 4)—Leaves are purple when young. Deep rosy blooms are borne in abundance.

Prunifolia (Double Bridal Wreath) hjsvANVWY (H 6, S 6)—One of the best; a beautiful shrub of medium size, double white flowers. 2-3′, 75c.

Thunbergii gjsvANVWY (H 5, S 5)—Graceful and beautiful at all seasons: flowers white.

Any of the above, 18-24″, 50c; 2-3′, 65c.

Viburnum

Dentatum (Arrow-wood) gilstBENVW (H 6-8, S 6)—Green leaves turn to purple and red tones in autumn. Creamy white flowers, followed by blue-black berries.

Opulus (European Cranberry) gjmtBENVW (H 10-12, S 10)—White flowers, followed by bright scarlet berries.

Opulus Sterilis (Common Snowball) gjmtBNVW (H 8-10, S 10)—Ball-like, pure white flowers.

Tomentosum (Doublefile) hjstvBENVW (H 6-8, S 8)—White flowers are borne in clusters along stalk, more or less flat-topped, 3-4 inches wide, followed by red fruit ultimately turning bluish black.

Any of the above, 18-24″, 75c; 2-3′, 90c.

Weigelas *hjvBSVY*

Bristol Ruby (Pat. No. 492) (H 5, S 5)—Hardier and more vigorous than Eva Rathke. The color is a soft ruby red shading to garnet-crimson. 2-3′, $1.25 each.

Eva Rathke (H 4-5, S 5)—Flowers are a rich ruby-carmine continuously throughout the summer. 18-24″, 75c.

Rosea (H 5-6, S 5)—A beautiful shrub with rose-colored flowers. 18-24″, 60c; 2-3′, 75c.

Van Houtte (Bridal Wreath) gjpstvBNVWY (H 6-8, S 6)—The most widely used shrub in cultivation. It is round and graceful, with long, thin, arching branches. Flowers in white clusters, so numerous that when in full bloom the bush resembles a snowdrift. 18-24″, 40c; 2-3′, 50c; 3-4′, 60c; 4-5′, 75c. Specimen clumps, $1.25. Special for borders and hedging, 18-24″, 10 for $3.00; 25 for $6.75; 100 for $25.00.

Symphoricarpus *gjlmnpsuvBENVW*

Chenaulti (H 4-5, S 5)—A hybrid, the foliage is smaller and the plants are neater throughout than Vulgaris. Handsome red fruit.

Racemosus (Snowberry) (H 4-5, S 4)—A graceful shrub, chiefly planted for its waxy white fruit.

Either of the above Symphoricarpus—Price, 18-24″, 45c; 2-3′, 65c; 3-4′, 75c. For informal border screens, 18-24″, 10 for $3.00; 25 for $6.75; 100 for $25.00.

Tamarix *gjmtxBNRVWY*

Hispida (Kashgar) (H 15, S 6)—A distinct variety with delicate, soft pink sprays of flowers in early spring and again in July. 2-3′, 65c; 3-4′, 75c.

Vitex *hjmstvDVX*

Macrophylla (H 6-8, S 6)—A most graceful plant with nicely divided aromatic foliage. Pretty lavender-blue flowers arranged in whorls on long, graceful, terminal spikes. 2-3′, 75c.

Symphoricarpus Racemosus (Snowberry)

HARDY ORNAMENTAL VINES

Silver Lace Vine

Akebia *hkBNVW*

Quinata (15′)—Produces numerous bunches of violet-brown flowers which have a pleasant cinnamon odor. 75c each.

Ampelopsis

Engelmani (New Virginia Creeper) gjmBENVW (H 35-40′)—New variety with glossy, more dense foliage, self clinger to most surfaces. Each, 50c.

Veitchi (Boston or Japan Ivy) gjiN—Splendid for covering walls as it clings firmly to the smoothest surfaces. Glossy, refined foliage. Dormant roots, 75c; established in cans, $1.00. Shipping weight of canned stock, 10 lbs.; if by mail add extra at zone rates for postage.

Bignonia (H 20′) *gmjFNV*

Mad. Galen (Giant Trumpet Vine)—An improved deep orange flower, most striking of all. Each, $1.50.

Radicans (Trumpet Creeper) — Large, scarlet trumpet-shaped flower. Each, 60c.

Celastrus

Scandens (Bittersweet) jBENV (H 25′)—Attractive light green foliage and yellow flowers, followed by bright orange fruit. To insure prolific fruit and flowers, plant two vines in each hole. Each, 60c.

Clematis

Many failures are the result of too shallow planting. The root crown should be at least 3 inches below surface.

Jackmani ijoFN (H 20′)—The best known and valued variety. A perfect mass of bloom. Color dark, rich, royal purple. 1 yr. No. 1 (from pots), 90c each. Postage extra, 15c.

Paniculata (Japanese Virgin's Bower) hjo CN (H 25′)—Strong, rapid growth, blooming in profusion during August, and continues until fall. Flowers are white and fragrant. Each, 75c.

Mad. Ed. Andre ijoFU (H 20′)—Large flowering type, crimson-red flowers. 1 yr. No. 1(from pots), 90c each. Postage extra, 15c if by mail.

Euonymus

Colorata hjlqU (H 1′ Creeper)—A low, dense flat mat of large, deep green foliage all spring and summer, turning bright red in winter, but never dropping. 2 yr. plants, each 85c.

Radicans Vegeta (Evergreen Bittersweet) hjlquBEN (H 15′)—For wall covering, this variety is unequalled, produces orange-red berries. 2-yr., each $1.00.

Hedra (H 20′) *gloqU*

Helix Gracilis—Baltica Ivy — Identical in habit with the English Ivy, but with foliage not as large and more cut. A most graceful vine; and also an excellent ground cover. 2-in. pot plants, each 25c; 10 for $2.25; 100 for $18.00.

Jackmani Clematis

Honeysuckle (Vine) *gjlqxFUV*

Halliana (Hall's Japan Honeysuckle) — Semi-evergreen. Fragrant white and yellow flowers. Unquestionably the best ground cover for terraces and slopes. Each 50c. Special size for banks and ground covers. 10 for $4.00; 25 for $9.00; $32.00 per 100.

Goldflame

Everblooming Honeysuckle — Remarkably beautiful clusters of slender trumpets, crimson carmine without and golden apricot within. Blooms from the middle of June until frost. The foliage is semi-evergreen. See color back cover. 85c each, postpaid.

Silver Lace

Polygonum Auberti gjmBCNVXY — If in doubt about what to select for a difficult situation where quick growth is desired, choose a Silver Lace Vine. Each 75c.

Wisteria *hjBUVW*

Floribunda (Royal Purple) — The most outstanding of recent introductions. Has the deepest violet-purple flowers of all Wisterias, borne in well-filled clusters of moderate length. Each $2.25. Weeping Tree form, each $7.50.

Sinensis (Purple)—An old favorite called Chinese Purple, but really lavender shaded blue. Each 75c.

Important Information About Shipping Weight

All prices on shrubs and vines are f.o.b. Salt Lake City. If wanted by mail add extra for postage. The shipping weights are as follows: Size 18-24″, one only weighs 3 lbs.; add 2 lbs. extra for each additional plant. Size 2-3′, one only weighs 5 lbs.; add 3 lbs. extra for each additional plant. Size 3-4′, one only weighs 7 lbs.; add 4 lbs. extra for each additional plant. A helpful list of postal zone rates is on page 77. Also see quantity price schedule below.

QUANTITY PRICE SCHEDULE FOR TREES, SHRUBS, ETC.

Where each price only is printed in this Catalog, the table below determines the 10 and 100 rates on the respective items of trees and shrubs. Unless otherwise specified the prices are f.o.b. Salt Lake City.

Where each Price is	Per Ten Rate is	Per 100 Rate is	Where each Price is	Per Ten Rate is	Per 100 Rate is	Where each Price is	Per Ten Rate is	Per 100 Rate is	Where each Price is	Per Ten Rate is	Per 100 Rate is
$ .25	$ 2.25	$ 20.00	$ .70	$ 6.25	$ 56.00	$1.50	$13.50	$120.00	$3.50	$31.50	$280.00
.30	2.70	24.00	.75	6.75	60.00	1.75	15.00	140.00	3.75	33.75	300.00
.35	3.25	28.00	.80	7.50	64.00	2.00	18.00	160.00	4.00	36.00	320.00
.40	3.60	32.00	.85	8.00	67.50	2.25	20.00	180.00	4.25	38.25	340.00
.45	4.00	36.00	.90	8.50	72.00	2.50	22.50	200.00	4.50	40.50	360.00
.50	4.50	40.00	.95	9.00	76.00	2.75	24.75	220.00	4.75	42.75	380.00
.55	5.00	44.00	1.00	9.50	80.00	3.00	27.00	240.00	5.00	45.00	400.00
.60	5.50	48.00	1.25	11.25	100.00	3.25	29.25	260.00	5.50	50.00	440.00
.65	5.75	52.00									

Five or more of one variety at the 10 rate, 25 or more at the 100 rate.

BROAD-LEAVED EVERGREENS

All Evergreens are quoted f.o.b. Salt Lake City. See p. 58 for quantity schedule.

Pyracantha Lalandi (Fire Thorn)

Boxwood

Sempervirens howSW—A formal plant for gardens where pyramids and globes are desired. Foliage glossy and dense. Price, trimmed pyramids, 18-24", $6.50; 32-38", $10.00.

Cotoneaster

Prostrata hjqvxBENW — Flat and spreading, densely clothed with little, round, deep green leaves turning red in the fall. 15-18", $2.25; 18-24", $2.75; 24-30", $3.25.

Daphne

Somerset (30")—This is a truly admirable novelty shrub. Unlike the well known Daphne Cneorum, it is upright and shrubby. Its sweetly fragrant blush-white flowers perfume the air for a month or more during May and June. The foliage is rich dark green, giving the effect of Boxwood. Price in Gal. Cans, 15-18", $3.00.

Euonymus

Japonica iopvNW (H 8') — Upright habit of growth with a dense, glossy, handsome foliage. Gal. cans, 15-18", $1.25; 2-3', B & B, $4.50.

Mahonia

Aquifolia (Oregon Hollygrape) houvBNW (H 5')—Leaves shiny and attractively changing shades of green. Flowers yellow, in dense clusters, followed with light purple berries. 15-18", $3.00; 18-24", $3.50.

Pyracantha

Coccinea (Firethorn) hjpvBNY (H 6')—Leaves dark, glossy and evergreen. Flowers white, in clusters, followed by orange-scarlet berries so much admired. Established in 1 gal. cans, 12-15", $1.00; 24-30", $3.25; 2-3', $3.75.

Viburnum

Burkwoodi (Gardenia Scented Snowball) hjvANW (H 4')—Most outstanding shrub introduction in recent years. Waxy, pinkish white flowers. The rich, glossy, semi-evergreen foliage turns purplish bronze with winter weather. BB 2-3', $5.00.

Many interesting winter house decorations may be clipped from Broad-Leaved Evergreens.

CONIFERS NARROW-LEAVED EVERGREENS

All are quoted f.o.b. Salt Lake City. See p. 58 for quantity schedule.

Arborvitae (Thuya) *hjstvNZ*

Beverleyensis (Golden Tinged Column Arborvitae)—The tallest and stateliest of Arborvitaes, growing into a narrow pyramidal column of golden green foliage. 1 gal., 12-15", $1.00; 18-24", $3.00; 24-30", $3.75; 30-36", $4.75; 3-4', $6.00; 4-5', $8.50; 5-6', $10.00.

Globosa (Globe Arborvitae)—Forms a dense low globe; handsome shade of green. 15-18", $3.50.

Meldensis—Pyramidal in shape, of dense growth; foliage a deep shade of green. Dwarf habit. 18-24", $4.00; 24-30", $5.00.

Orientalis Aurea Nana (Berckman's Dwarf Evergolden Arborvitae)—The most wanted Arborvitae. Very dwarf, golden tipped, oval shape. Always shapely and beautiful. 1 gal., 10-12", $1.00; 12-15", $2.00; 15-18", $3.00; 18-24", $4.00; 24-30", $5.00; 30-36", $6.50.

Occidentalis Pyramidalis (Pyramidal Arborvitae) — Compact, erect. Foliage a deep green, retaining color. 18-24", $3.00; 30-36", $4.75; 3-4', $6.00; 4-5', $8.50; 5-6', $10.00.

Orientalis Pyramidalis (Chinese Arborvitae) — Comparatively low, broadly pyramidal tree. Color yellowish green. 18-24", $3.00; 30-36", $4.75; 3-4', $6.00; 4-5', $8.50.

Fir (Abies)

Pseudotsuga (Douglas Fir) gjtNW—A rapid grower. Foliage soft blue in color and fragrant. 3-4', $7.50.

Pinus (Pine)

Austrian gjtNW—The leaves are two in a sheath, straight and slender, from 4 to 5 inches long, of a deep, rich green color. Gas and smoky atmosphere have no effect on its growth. 3-4', $8.50; 5-6', $14.00; 6-7', $18.00.

Mugho (Dwarf Pine) gjuvNW—It is used in the foundation and rock garden plantings and as a single specimen because of its low, formal habit of growth. 12-15", $3.25; 15-18", $4.25; 18-24", $5.50.

Above shows attractive grouping of following:

1. Juniper Chinese Pyr.
2. Pyracantha L.
3. J. Virg. Cannarti
4. Mugho Pine
5. J. Sabina Von Ehron
6. J. Pfitzer

Juniper Virginiana Cannarti

Juniper

Chinese Pyramidalis Blue (Column Juniper) gjmtvNZ—It grows rapidly. Gives planters in the colder localities a tree which closely resembles the Italian Cypress in habit of growth. 30-36", $4.50; 3-4', $6.75; 4-5', $8.75; 5-6', $12.50.

Hill's Golden Pfitzer gjsvxNZ—A new golden form of the popular Pfitzer Juniper. Valuable as a novelty and also for color variation in your plantings. 24-30", $5.25; 30-36", $6.25.

Horizontalis Plumosa (Andorra Juniper) gjuvNZ—The most charming of the low creeping Junipers, with its blue-green summer foliage which turns purple in the fall. 15-18", $3.75; 18-24", $4.75.

Pfitzer (J. Chinensis Pfitzeriana) gjsvxNZ—This is the most widely planted and generally satisfactory of all semi-dwarf creeping Junipers. 1 gal. size, $1.00; 15-18", $3.25; 18-24", $4.00; 24-30", $5.00; 30-36", $6.00; 3-4', $9.00; 4-4½', $12.00.

Sargenti Blue gjquvxNZ—It grows eight to twelve inches in height and creeps along the ground, forming a dense mass. 15-18", $3.75; 18-24", $4.75.

Sabina Tamariscifolia gjuvxNZ—Produces a dense, compact mat of bluish green foliage spreading 6-7' and not more than 18 inches high. 15-18", $3.75; 18-24", $4.75.

Sabina Von Ehron gjsvxNZ — Handsome, semi-dwarf spreading variety with rich green foliage. Can be trimmed for a Globe Juniper. 15-18", $3.25; 18-24", $4.00. **Specimens trimmed to globe form,** 20-24", $5.50.

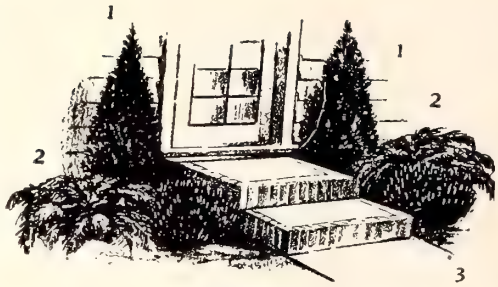
Scopularum (Colorado Juniper) gjtvENZ — Compact, columnar growth from a single central stem. It is of unusual bluish color. 30-36", $5.50; 3-4', $7.00; 4-5', $9.50; 5-6', $14.00.

Squamata Meyeri (Meyer Juniper) gjuvNZ (6')—Most unusual in color and habit. Plump, pointed and prickly foliage is a distinct blue color. Irregular growth. 15-18", $3.75; 18-24", $5.00.

Virginiana Burki gjtvNZ—One of the newer forms of the Red cedar with outstanding steel blue foliage. Upright and open-growing, but is easily trimmed to a columnar specimen. 3-4', $6.50; 4-5', $8.75.

Virginiana Cannarti (Cannart Red Cedar) gjtvENZ—One of the leading favorites. It has a deep, rich green foliage; can be trimmed and thus maintained at any size wanted. 30-36", $4.50; 3-4', $6.75; 4-5', $8.75; 5-6', $12.50.

Virginiana Pyramidiforma (Dundee Juniper) gjtvNZ—Makes a compact, symmetrical pyramid of moderate size. Grayish green in summer, turning a purplish plum color in the fall. 30-36", $4.50; 3-4', $6.00; 4-5', $8.50; 6-7', $15.00.



The types of Evergreens shown above:
No. 1—Juniper Chinese Pyramidalis Blue.
No. 2—Juniper Pfitzer.
No. 3—Mugho Pine.

All Evergreens are quoted f.o.b. Salt Lake City. See page 58 for quantity price schedule. We advise Freight or Express. Most sizes are too large and heavy for Parcel Post shipment.

Spruce (Picea)

Black Hills Spruce gjtNW—Very compact and symmetrical in all stages of growth. Extremely hardy, color of foliage bright green to bluish tints. 2½-3', $7.00; 3-3½', $8.50; 3½-4', $9.50; 5-6', $15.00.

Moerheim Blue gjtNW—The aristocrat of the evergreen family; by far the shapeliest Spruce, and the truest, most persistent blue in color of any known tree. 2½-3', $9.00; 3½-4', $14.00; 4-5', $20.00; 5-6', $28.00.

Blue Spruce (P Pungen Glauca) gjtNW — The native blue; fine compact habit. Select this for living Christmas tree. 18-24", $5.50; 2-2½', $7.00; 2½-3', $8.00; 3½-4', $10.00; 4-5', $15.00; 5-6', $20.00.

Blue Spruce

Colorado Spruce (P. Pungens) gjtNW — Similar to above except foliage is light green. 2-2½', $5.50; 2½-3', $7.00; 3-4', $8.50.

Norway gjtNW—Effective in groups or for hedges and wind-breaks. Foliage is rich, dark green and this variety is most commonly used for Christmas trees. 24-30", $5.00; 3-4', $7.50.

Visitors Always Welcome

Visit our Centerville Nursery and you will see thousands of both Conifer and Broad-leaved types of Evergreen Shrubs and Trees, all sizes and stages of development from the very small rooted cuttings to the large specimen sizes. Write us if what you want is missing from this list, no doubt we can supply it.

Berckman's Dwarf Evergolden Arborvitae (Thuya)

SPIREA FROEBELI

(At right)
KOLKWITZIA
or
BEAUTY BUSH

CYDONIA JAPONICA

RED BARBERRY

SHRUB OFFER No. 461A

Consisting of 1 each of the 5 shrubs shown on this page. Size, all 18-24" except Japanese Barberry which is 15-18". (Regular value postpaid $3.20). Prepaid all for.... **$2.75**

SHRUB OFFER No. 461B

Consisting of 1 each of the 5 shrubs shown on this page. Size, all 2'-3' except Japanese Barberry which is 18-24". (Regular value postpaid $4.20.) Prepaid all for..... **$3.50**

NEW CHINESE LILAC

Bechtel's Dbl. Fl. Crab

Flowering Crabs . . (See also page 63)

BECHTEL'S—(Above.) Large, double pink flowers.
FLORIBUNDA—Rose-pink buds opening to single white flowers in great masses; fruit reddish yellow. (See cut at right, fig. 3.)
SCHEIDECKERI — Most beautiful semi-double pink flowers, waxy yellow fruits. (See larger tree at right.)
Any of the above, 3-4', $1.25; 5-6', $2.00.

Offer No. 462A Consists of 1 each of the 6 flowering trees shown on this page, all 3-4' size except Paul's Scarlet Hawthorne, which is 5-6'. (Regular value, $7.40.) ALL PREPAID **$6.50**

Offer No. 462B Consists of 1 each of the 6 flowering trees shown on this page. Bliriana and Flowering Crabs size 5-6', Paul's Scarlet Hawthorne 6-8', and Flowering Peach 4-5'. (Regular value $11.85.) ALL PREPAID.. **$10.00**

(At left)

BLIRIANA, NEW FLOWERING PLUM (See page 65) — Masses of double pink flowers early spring followed by dark reddish purple foliage. **3-4' $1.00; 5-6' $1.75.**

(At left)
PAUL'S SCARLET FLOWERING HAWTHORNE — Very double flowers in spring followed by red berries, borne freely. **5-6' $2.35; 6-8' $2.85.**

(At right)
DOUBLE PINK FLOWERING PEACH (See page 65)—Covered with double pink flowers before the leaves appear; quick-growing ornamental.
3-4' 90c; 4-5' $1.25.

P.-W.'s ORNAMENTAL TREES

The prices on all trees are f.o.b. Salt Lake City. (See page 58 for quantity schedule.) The following sizes can be forwarded by mail if desired, but add extra for postage at the zone rates from Salt Lake City to your Post Office. Size 3-4', one tree weighs 5 lbs.; add 2 lbs. extra for each additional. Size 4-5', one tree weighs 7 lbs.; add 2½ lbs. extra for each additional.

Ailanthus *hjlmyBVW*

Grandulosa (Tree of Heaven) (H 60')—8-10', $2.75.

Ash (Fraxinus)

American White gjyBNVW (H 60')—5-6', $1.10; 6-8', $1.75; 8-10', $2.75.

Green Ash gjyBNVW (H 50')—Shapely round top with dark green foliage. 5-6', $1.10; 6-8', $1.75; 8-10', $2.75.

European Mountain Ash (Sorbus Aucuparia) gjyyBEUVW (H 45')—White flower clusters 5 inches across, followed by orange red berries. 6-8', $2.75; 8-10', $3.75.

EXCELSIOR (Male trees especially propagated) gntyNPVW (H 75')—**Grown from selected non-seeding parent stock. Its broad head, and more abundant glossy foliage make it the most desirable of all ash trees. 6-8', $3.75; 8-10', $4.50.** See illustration below.

Birch (Betula)

Cut-Leaved Weeping Birch gjtyNVW (H 35')—The main trunk has snow-white bark and grows straight as an arrow. Branches spread but slightly, while the fine slender shoots hang vertically. The foliage is fine and deeply cut. Very beautiful. 5-6', $2.25; 7-8', $3.50; 9-10', $4.00.

Catalpa

Bungei (Umbrella Tree) hjmoyNVW (H 15')—Large, velvety leaves. 2-yr. heads, $3.50.

Speciosa (Western Catalpa) gjmotyBNRVW (H 60')—6-8', $1.90; 8-10', $2.50.

Celtis Occidentalis *gjoyBSEVW*

Hackberry (H 40') — A valuable shade tree with wide spreading, somewhat pendulous branches. Forms a round-topped head with bright green leaves, turning yellow in the fall. 6-8', $2.50; 8-10', $3.00.

Cercis *hjotyASW*

Canadensis (Redbud) (H 30')—Striking ornamental trees, loaded with a mass of pea-shaped pink blossoms in early spring before the leaves appear. 4-5', $1.50.

Crabs (Malus) (Flowering) *gjtyBEVW*

From the standpoint of good growth, foliage, flowers and fruits, they are more satisfactory than any other group of small flowering trees. Their hardiness and wide adaptability to soil and climatic conditions make them especially desirable in our mountain states.

Astrosanguinea (H 12') — Carmine flowers and fine red branches and fruit.

Bechtels (H 12')—Large, double, pink, rose-like flowers.

Dolga (H 15')—Large white flowers followed by a great crop of red crab apples. Fruit makes up into jelly of the finest flavor.

Eleyi Purpurea (H 15')—One of the best, the tree produces a mass of red bloom against a purplish-bronze foliage. Dark red fruit that makes fine jelly.

Floribunda (H 12')—Rose-pink buds opening to single white flowers, fruit reddish yellow.

Halliana Parkmani (H 12') — Of spreading habit with glossy deep green foliage and double pink flowers, fruit purplish red.

Hoppi (H 10')—Produces large single rose-red flowers in profusion. Fruit red inside and out. Makes fine jelly.

Red Silver (H 12')—Red from top to bottom in bark, tree, leaf, and flower. The leaves have a cut-leaf character and are maroon, red, and silver in color.

Scheideckeri (H 15') — Large, semi-double pink flowers; waxy yellow fruits. Highly recommended.

Any of above Crabs—3-4', $1.25; 4-5', $1.75; 5-6', $2.25; 6-7', $2.50.

Elm (Ulmus)

American (Ulmus Americana) gjtyNSVW (H 75')—Tall and stately with a graceful, wide spreading form. 6-8', $1.75; 8-10', $2.50; 10-12', $3.00.

Chinese or Siberian gjtyNOVWX (H 40')—5-6', 95c; 6-8', $1.50; 8-10', $2.00; 1½-2" cal., $3.00; 2-2½" cal., $4.50.

Camperdown (Umbrella Elm) gjoyNVW (H 15') — Branches grow outward and downward, giving the tree a remarkable picturesque aspect. Three-year heads, on six-foot standards, $3.50.

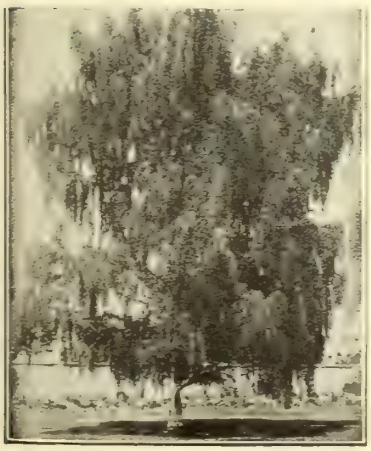
Cork gjtyNSVW (H 75')—Majestic, spreading branches, corky winged; free from scale. 6-8', $3.50.

English gjtyNSVW (H 75')—A native of Europe; a noble rapid-growing tree, forming a dense head. 6-8', $2.75; 8-10', $3.75.

Moline gjtyNSVW (H 75')—In shape like a Lombardy Poplar, with leaves often 6 inches across. The older trees become more spreading. 6-8', $2.25; 8-10', $2.75.

Ginkgo (Maidenhair Tree) *gjyVW*

Biloba (H 60')—A rare tree from Asia with fan-like foliage, unlike any other. Free, angular, independent branches, distinct, slow growing. 6-8', $5.00.



Cut-Leaved Weeping Birch

Horse Chestnut

White Flowering gjyBSVW (H 60')—The handsome European species; has magnificent spikes of white flowers borne in great profusion and sweetly scented. 7-8', $3.50; 9-10', $4.00.

Hawthorne (Flowering) *gjtyBEVW*

English Double Flowering White (H 15')—Fragrant flowers in May and June. 6-8', $3.00.

Paul's Double Scarlet (H 15')—Flowers deep crimson-scarlet; very double, followed by large red berries borne freely. 5-6', $2.50; 7-8', $3.00.

Excelsior Ash (Male)

See page 77 for legend explaining letters immediately following variety name

Laburnum *hjtyBVW*

Vossi (Long Clustered Golden Chain) — Small tree-like shrub with flowers of pure golden yellow and formed exactly like those of Wisteria. The long hanging clusters attain as much as 18-20 inches in length. 6-8′, $3.50.

Linden (Tilia) (H 60′) *gjyBESVW*

American—Broad, round head with large, shining cordate leaves. Its flowers appear in yellow drooping clusters, intensely fragrant. 6-8′, $3.00; 8-10′, $3.75.

European—Pyramidal shape, foliage similar to the American Linden, white flowers in June. 6-8′, $3.00.

Locust (Robina)

Common or Black Locust gjmyBNRVW (H 50′)—5-6′, $1.00; 6-8′, $1.75; 8-10′, $2.50; 10-12′, $3.25.

Globe Locust gjmyNRVW (H 20′)—Unusually attractive round-headed tree. 2-year head, $4.00.

Honey Locust gkmpyNRVW (H 50′)—6-8′, $2.00.

P.-W.'s New Hardy Orchid Flowering Acacia gjmyBNVW (H 35′)—This variety is a marvelous development of beauty. Its showy flowers are profusely produced in June, in long, drooping Sweetpea-like clusters of a deep orchid-pink. Because of its easy growth, hardiness, beauty, and adaptability to varied climatic conditions, it should find a place in every planting and become a leader among flowering trees. 7-8′, $3.00; 8-10′, $3.75; 10-12′, $4.75.

Thornless Honey Locust gkmyNSVW (H 50′) — Very small leaves, an ideal lawn tree. 6-8′, $2.50; 8-10′, $3.25; 10-12′, $3.75.

THORNLESS HONEY LOCUST MALE TREES gkmyNSVW (H 50′)—**It has no seed pods. Its foliage is more abundantly produced and has a beautiful lustrous gloss. The cooling shade is light enough that lawn and flowers will grow beneath it. A male Thornless Honey Locust in your yard will bring increasing pride and comfort for many years. Price—6-8′, $3.75.**

Oak (Quercus) *hkQSTVW*

Macrocarpa (Burr or Mossycup) (H 60-75′)—One of the best oaks for the Rocky Mountain States. 6-8′, $4.00.

Maples (Acer)

Norway gjyAVW (H 60′)—A large, spreading rounded form, with shiny, deep green foliage. Very symmetrical. 6-8′, $2.50; 8-10′, $3.25; 10-12′, $4.50.

Schwedleri gjyANVW (H 60′)—A red and purple contrasts brightly with the delicate green of other trees. In midsummer they are purplish green; in autumn, golden yellow. 6-8′, $3.50; 8-10′, $4.50.

Silver gjyANVW (H 60′)—A large tree, very fast growing. 6-8′, $1.75; 8-10′, $2.50; 10-12′, $3.00.

Mulberry *hjoyBNOVW*

Kingan (Fruitless) (H 30′) — A good strong growing dense shade tree, but without fruit. Extremely rapid in growth and one of the best shade or street trees for southern Utah, Nevada, and other hot, dry arid climates. 5-6′, $2.50.

Tea Weeping (H 15′) — The long, slender, drooping branches of this tree give it a very unusual and much admired appearance, prized for lawn or formal planting. 2-year heads, $3.75.

Russian (H 25′)—5-6′, $1.75; 6-8′, $2.25.

Olive

Russian (Eleagnus Angustifolia) gjmptyBENVW (H 20′)—Leaves silvery green. Very hardy. Vigorous grower and valuable for screens, hedges, and color accents in landscape effects. 3-4′, 65c; 5-6′, $1.00; 6-8′, $1.75; 8-10′, $2.50.

Peach (Double Flowering)

Amygdalus Persica hktyBNSUVW (H 15′) — Simply a mass of blossoms, appearing before the leaves, making an immense bouquet of gorgeous color.

Double White, Double Pink, and **Double Red,** 2-3′, 75c; 3-4′, $1.00; 4-5′, $1.50; 6-7′, $2.00.

Plane Oriental

London Plane hjmoyNVWX (H 70′) — It forms a fine spreading, well-rounded head. Entirely free from disease or pests. Leaves are large, dark green and deeply lobed. One of the best street trees. 6-8′, $3.00; 8-10′, $3.75.

Poplar (Populus) *gjotyNOVW*

Bolleana (H 60′)—A tall columnar tree. Leaves glossy green above and silvery beneath. 6-8′, $1.75.

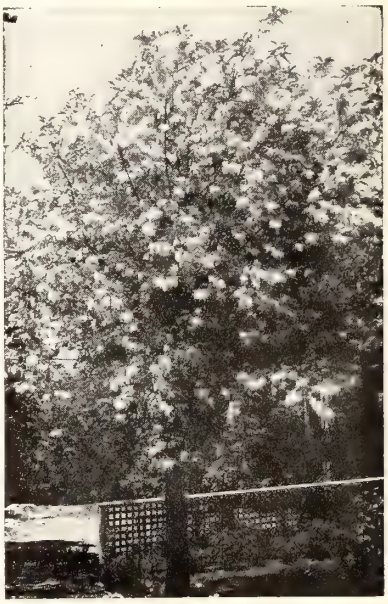
Carolina (H 50′)—Branching habit. 8-10′, $1.75.

Lombardy (H 80′)—Grows narrow and columnar. 6-8′, $1.00; 8-10′, $1.75.

Prices on all Ornamental Trees are quoted f.o.b. Salt Lake City.

Norway Maple

American Linden



P.-W.'s New H. Orchid Fl. Acacia

Prunus (Flowering Cherries)

Charming small trees with branches completely covered with a mass of large flowers in May.

Kwanzan — Double Pink hktyBUVW (H 25′) — 3-4′, $1.75; 5-6′, $2.50.

Mt. Fugii — Double White hktyBUVW (H 25′) — 3-4′, $1.75; 5-6′, $2.50.

Japanese Weeping Cherry hktyBUVW (H 20′)—Beautiful specimens, blooming in profuse panicles of single pink flowers. 5-ft. standards, $4.00.

Prunus Flowering Plums *hktyBNSUVW*

Bliriana (H 15′)—Double pink flowers, followed by very dark reddish purple foliage, which is retained all summer. 3-4′, $1.00; 5-6′, $1.50.

Newport (H 15′)—Flowers single rosy white, followed by richly colored foliage. Fruits magenta red. 3-4′, $1.00; 5-6′, $1.50.

Pissardi (H 15′)—Purple-leaved. 3-4′, $1.00; 5-6′, $1.50.

Triloba (Double Flowering Plum) (H 10′)—Before leaves appear, the tree is a mass of double, pink blossoms. May be grown in bush form also. 2-3′, $1.00; 3-4′, $1.25.

Tulip Tree (H 80′) *hotyBSVW*

Tall pyramidal habit; bluish green, glossy, fiddle-shaped leaves. Flowers Tulip-like, greenish yellow. 6-7′, $3.25.

Sophora (H 50′) *gtyBNVW*

Japonica (Chinese Scholartree)—Dark green twigs and branches and small leaflets. Long panicles of creamy white pea-like flowers. 5-6′, $4.50.

Varnish Tree

Koelreuteria Paniculata hktyBNOVW (H 25′) — Sometimes called "Golden Rain Tree." Very decorative foliage. Its yellow flowers are borne in clusters 12 to 18 inches long. Very showy. 5-6′, $3.50.

Willow (Salix) *gntyANRVX*

American Black (H 30′)—6-8′, $1.75.

Babylonian Weeping Willow gntANRVWX (H 30′)—Stately, with long, pendant branches, silvery foliage. Easily transplanted. 6-8′, $2.00; 8-10′, $3.00.

Golden Willow (H 30′)—6-8′, $1.75; 8-10′, $2.25.

Matsudana (Hankow Willow) (H 35′)—Of upright habit, it develops quickly into a magnificent tree. 6-8′, $2.00; 8-10′, $2.75.

Pussy Willow gjntANRVW (H 12′) — 3-4′, 75c; 5-6′, $1.50; 6-8′, $2.00.

Weeping Golden Willow gjntANRVWX (H 25′)—The weeping form of the well-known Golden Willow. 6-8′, $2.25; 8-10′, $3.25.

HARDY NUT TREES

Nuts, as a commercial crop, have a bright future for you progressive farmers and fruit growers in this area. In nutritive value, nuts far exceed all other food substances. They will grow on any ordinary soil rich enough to support other large trees. The fact that very few pests attack the nut trees makes it possible for them to live for many years, producing their valuable crops. **Nut trees have double value** when planted for shade or ornamental purposes on the home yard, or as a windbreak on the fence-line or woodlot in rural districts.

Almond, I.X.L. jkAUW (H 20′)—Smooth, soft-shelled nuts. The kernel is large, plump and excellent flavor. 2-3′, $1.00; 10 for $9.00; 3-4′, $1.25.

Butternut (White Walnut)—A beautifully growing tree which yields large rough-shelled nuts. The kernels are white and full meated with a delicious flavor. 3-4′ trees, $1.50.

Fillbert, Barcelona—This is the leading commercial variety and one of the best croppers, producing large, round nuts. It needs one or more pollinators for best results. 3-4′, $1.50.

Fillbert, White Aveline—Produces medium sized nuts of fine quality and is a fair bearer. Fine for pollinizing Barcelona. 3-4′, $1.50.

Walnut, English—Not available.

Walnut, Stabler gntyANRVX (H 80′)—One of the finest of the new improved Black Walnuts. The kernels are large and of excellent quality. 5-6′, $3.50; 6-7′, $3.75.

P.-W.'s FRUIT TREES

SHORT CROP—EARLY ORDERS GIVEN PREFERENCE.

It is not necessary to buy 10 or 40 of a single variety to secure the respective quantity rates; 10 or more assorted fruit trees may be priced at the ten rates applying on the particular varieties selected, and 40 or more may be priced at the 40 or more price schedules. On all orders below ten, the each prices apply.

Apples *gkyBNX*

"The King of Fruits"—"An Apple a Day Keeps the Doctor Away"

No fruit can be more pleasant to the palate or more beautiful to the eye than the rich, ripe apple when plucked from the tree or more luscious and beautiful when cooked.

Autumn Varieties

Gravenstein—Yellow, red, striped, very large. Ripens in September.

Twenty Oz. Pippin—Large, yellow and striped. Good cooking apple.

Wealthy—Dark red, sub-acid. Trees bear very young.

Summer Varieties

Early Harvest—Medium size, nearly round, pale yellow, July and August.

Early Redbird—Claimed to be the earliest red apple in cultivation. Ripens a week earlier than Yellow Transparent, producing most palatable, glowing scarlet-red apples—almost twice the size of Early Transparent. Very satisfying. Vigorous grower, hardy everywhere.

Red Astrachan—Fruit large, beautiful deep crimson yellow. Ripens July and August.

Red June—Medium size, oblong, red, flesh white and juicy, sub-acid. Ripens in July.

Yellow Transparent — One of the earliest, pale yellow when ripe; good quality. Succeeds well in cold climates. Ripens in July.

Winter Varieties

Cortland—Similar to its parent McIntosh, but more uniform in size, and has more and brighter color. The flesh is firmer and the apples hang better to the tree. 4-5′ and 6-7′ sizes only, available this year.

Delicious—Solid red, most popular for eating, storing and shipping. No other red apple begins to rival its rich quality.

Delicious—Yellow-gold. It bears young and heavily. The fruit is large, juicy. No other yellow apple is of better quality.

Jonathan—Solid red. Equal to Delicious in popularity. Very firm, richly flavored flesh. Favored for eating, cooking, and drying.

McIntosh—Solid red. An excellent fall eating apple. Largely planted where extreme hardiness is desired.

Rhode Island Greening—Large greenish yellow. An old favorite for pies and cooking.

Rome Beauty—Solid red. It is a brilliant red apple, large, tender, juicy. The tree is hardy and bears heavy crops every year.

Staymans Winesap — Smooth, greenish yellow, splashed and striped with red and purple.

Winter Pearmin—Pale yellow; flesh yellow, juicy, tender.

Winter Banana—Fresh golden yellow; fine grained, juicy.

Crab Apples

Highly esteemed for making jelly; extremely prolific.

Siberian—Beautiful red. September.

The grades and prices on all varieties are as follows, f.o.b. Salt Lake City:

	Height	Inches Caliper	Each	10-40
Home Orchard	4 ft. up	9/16-11/16	$1.25	$1.15
Coml. Orchard	3 ft. up	7/16- 9/16	1.10	1.00
Mail Size	2 ft. up	5/16- 7/16	.95	.85
Extra Spec. Size	6-7 ft. trees		1.75	

We have the extra special 6-7 ft. trees in all varieties of apples. Write for prices on larger quantities.

P.-W.'s Chinese Apricots

Apricots *hkyBUX*

Apricots which have been grown for many years under the names of "Chinese," "Colorado," "Jones," "Large early Montgamet," and "Wilson" have been observed in the same experimental plot and proven to be identical.

Chinese—Large, round, deep orange-yellow fruits. Flesh is firm and the richest flavor. Late June.

Moorpark—Very large, light yellow, oval shaped fruit. The tree is slightly hardier than Chinese. Late June.

Prices of Apricots are on page 67.

Nectarines *hkBNX*

The Nectarine has a smooth skin like the plum. It is like the peach in other ways and requires the same culture. Its pungent, sprightly flavor is remindful of both, but with an added deliciousness all its own. Set trees 16 to 18 feet apart.

John Rivers—The hardiest Nectarine. Attractive size, red cheek and luscious green flesh.

Prices of Nectarines are on page 67.

P.-W.'s All-Season Fruit Offer No. 466

10 vigorous friut trees of the most popular varieties. Commercial orchard size. One each of:

Apricot, Chinese	**Cherries, Bing**
Apple, Red Delicious	**Cherries, Windsor**
Apple, Yellow Transp't	**Plum, Formosa**
Peach, New Red Elberta	**Plum, Pacific**
Peach, J. H. Hale	**Pear, Bartlett**

Prepaid..... **$9.75**

Luscious Pears *gkASX*

Plant about 20 ft. apart each way.

***Bartlett**—Fruit large, clear yellow, highly flavored; very juicy. September.

***Beurre D'Anjou** — Large, of vinous flavor; one of the leading Autumn varieties.

***Keiffer's Hybrid**—Rarely ever blights. Fruit of fine size, rich color and good quality. October and November.

***Parrish Favorite**—Large winter pear, ripening in November-December. Will keep until Spring, retaining its captivating flavor. Never blights.

***Seckel**—Small, yellowish brown, tender, juicy melting. Ripens August.

***Winter Nellis**—A good winter variety of medium size.

All sizes of Pears priced on page 67.

Plums and Prunes *gktBNX*

Plant about 20 feet apart each way, 108 trees per acre.

Damson—Medium dark blue; flesh amber; good preserver.

***Duarte**—A rich blood-fleshed plum, similar to Satsuma. Tests show this tree is hardier and more productive.

Elephant Heart—A huge, heart-shaped freestone plum; flesh blood-red. Luscious flavor. Early September.

Formosa—Early, large, heart-shaped, cherry red as it ripens; sweet and delicious. Early July.

Opata—Medium size, freestone, purplish red plum, flesh green of pleasing spicy flavor. Young bearer, very hardy. July.

Pacific—A large purple; ships well. Freestone; flesh pale yellow, firm, and sweet.

Peach (Jefferson)—Large, red, fine quality plum with yellow flesh. Recommended for the home orchard. Early July.

Pottawatamie—Excellent small plum for preserving.

Santa Rosa—One of the leading shippers. Good size, purplish red. Flesh reddish in color, juicy and delicious. Late July.

Sapa—Medium to large freestone, dark purple with purple flesh, juicy, of good flavor. Ripens a few days after Opata. Generally bears next year after planting and bears very heavily.

Satsuma—A fine, large purplish crimson; pit small. Delicious flavor. July.

Sugar—Dark reddish purple, changing to purplish black. Skin thin, tender, separates readily. Flesh golden yellow. Tender and sweet.

Yakima—Very large, egg-shaped, red. Good shipper.

Improved French Prune—Much larger than the old well-known brown French and superior in every way. Fruit red and sweet.

Italian-Fellemburg Prune—Large oval, dark purple; flesh greenish yellow; separates freely from stone; best for drying on the market. August-September. Best commercial sort, "Italian" is on peach root.

All sizes of Plums and Prunes priced on page 67.

*On varieties marked with asterisk, extra large size trees are available.

Dwarf Fruit Trees

This class of fruit trees has been developed and grown particularly for the home yard or small orchard. They come into bearing earlier and produce excellent crops. As ornamental trees they have added value, being very beautiful in flower or in fruit. We can supply the following varieties:

Red Delicious Apple	**Lambert Cherry**
Yellow Delicious Apple	**Bartlett Pear**
Moorpark Apricot	

All are 2-year-old trees. Price—$3.00 each, 10 for $25.00.

Sweet Cherries *hjBUX*

Plant 30 feet apart; 49 per acre.

Bing—About one week ahead of Lambert. One of the best market cherries. Large deep dark red, nearly black. Meat firm, sweet, and exceedingly well flavored. Ripens July in Salt Lake valley. Wonderful shipper.

Lambert—This follows Bing in ripening and is fully equal to it both as a commercial and home variety. Fruit very large, heart-shaped, firm flesh and a rich sweet flavor. It is less subject to frost injury in blossom time than any other of the sweet varieties. Ripens July.

Black Tartarian—Large, purplish-black, sweet. Ripens first of July.

Napoleon—Very large, pale yellow, red cheek. June.

Windsor—Fruit large; heavy bearer; beautiful dark color, almost black.

Sour Cherries *gjBUX*

Plant 20 feet apart each way; 108 per acre.

Royal Duke—Fruit dark red; juicy and rich. June.

Montmorency — Improved. This strain produces much larger fruit than the old true Montmorency and has become the leading sour cherry for cold pack and canning; ripens late June to early July.

Prices of Sweet and Sour Cherries

f.o.b. Salt Lake City:

	Approximate Height	Inches Caliper	Each	10-40
Home Orchard	4 ft.	9/16-11/16	$1.50	$1.35
Coml. Orchard	3 ft.	7/16- 9/16	1.25	1.15
Mail Size	2 ft.	5/16- 7/16	1.00	.90
Extra Spec. Size	5 ft.		2.00	

HANSEN'S BUSH CHERRIES

Since the introduction of these new fruits they have become widely planted. Hardy, easy to grow, and early bearing, they adapt themselves to even the coldest climates. The fruit is good to eat fresh and will make the most delicious preserves. Plant them 3-4 feet apart in rows 6 feet apart for fruit production. When used as ornamental shrubs they are beautiful as specimens, groups or hedges. We supply transplants 2-3 ft. tall at 65c each.

Peaches *hkBUX*

Plant 20-25 feet each way; 70-108 per acre.

Alexander—Handsome, crimson. Ripens about July 24th.

Champion—Firm, sweet, white flesh with a rich and satisfying flavor. The tree is hardy and a good bearer; the fruit is freestone and ripens two weeks before Elberta.

Crawford's Early—A delicious yellow fleshed freestone peach. Ripens in August.

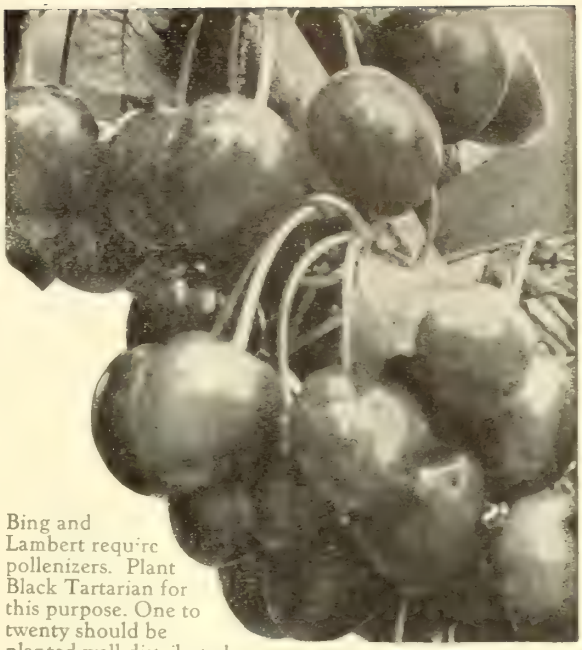
Elberta—A leading market variety, large, handsome bright yellow overspread with crimson; juicy, fine shippers. Freestone.

Early Elberta—About ten days earlier than regular Elberta, otherwise similar.

New Red Elberta—The most highly colored, "double red" Elberta, this variety is a quick-selling market peach. It can be harvested ten days before regular Elberta and sold for higher prices.

The prices on all standard Apple, Apricot, Nectarine, Peach, Pear, and Plum trees listed are as follows, f.o.b. Salt Lake City:

	Height	Inches Caliper	Each	10-40
Home Orchard	4 ft. up	9/16-11/16	$1.25	$1.15
Coml. Orchard	3 ft. up	7/16- 9/16	1.10	1.00
Mail Size	2 ft. up	5/16- 7/16	.95	.85
Extra Spec. Size	5 ft. up		1.75	—



Lambert Cherries

Bing and Lambert require pollenizers. Plant Black Tartarian for this purpose. One to twenty should be planted well distributed. A pollenizer in the neighbor's lot will usually suffice.

Golden Jubilee—Another new large yellow-fleshed freestone. Said to ripen three weeks before Elberta and to equal or exceed that variety as a market peach.

J. H. Hale — Large orange-yellow, considered by many superior to Elberta. Freestone.

Halehaven—Large reddish yellow, a cross between J. H. Hale and South Haven, combining the good qualities of each. Ripens 17 days before Elberta.

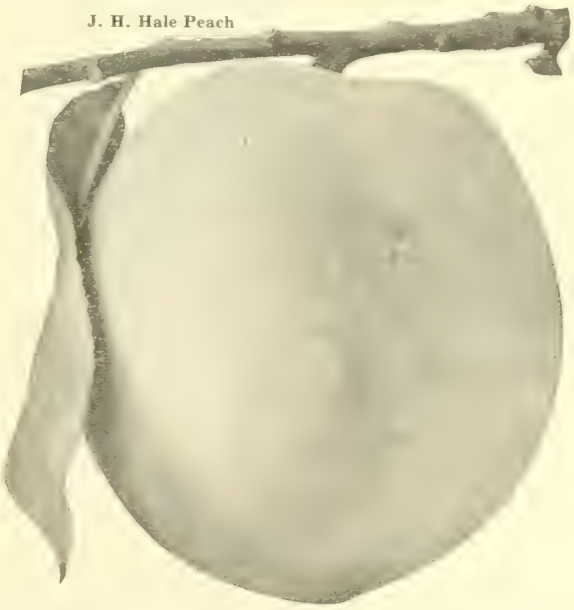
Heath Cling—Large, oblong, creamy white, rich and luscious; valuable canning peach.

Orange Cling — Very large; yellow with dark crimson cheek; flesh golden yellow.

May Flower—The earliest peach on the market; red all over. Ripens about July 4th.

Rochester—It is the earliest yellow peach of quality, ripening about a month before Elberta. Fruit medium to large, mottled red, flesh tender, sweet, high quality, freestone. Buds hardier than most yellow-fleshed peaches. Ripens over a long season.

J. H. Hale Peach



SMALL FRUITS

Lifetime profits and pleasure from one planting.

GRAPES

Hardy American *gmtxNW*

Caco—Best hardy red grape. Large, juicy and delicious. 40c each; 10 for $3.00.

Fredonia—Leading black grape. Ripens very early. Large, juicy, delicious; very productive and hardy. 40c each; 10 for $3.00.

Golden Muscat—You are sure to be pleased with this new grape which has the largest clusters and berries of any hardy eastern variety. It is very high quality and ripens about two weeks later than Concord. $1.00 each; 10 for $8.00.

Niagara—Greenish white; skin thin, sweet pulp.

Seneca—This remarkable development is a green California type grape on a hardy vine. The firm meaty flesh of superlative quality keeps well either on the vine or off. A real treat for grape lovers. Ripens three weeks before Concord. $1.00 each; 10 for $8.00.

Van Buren—Ideal where the growing season is too short for Concord. It ripens a month earlier. The fruit is of the Concord type and equal to it in quality. $1.00 each; 10 for $8.00.

European Varieties *imtxNW*

Black Malvoice — Berries large, oblong, reddish black, juicy.

Flame Tokay—Large, sweet, red.

Muscat—Large, light colored raisin and wine grape.

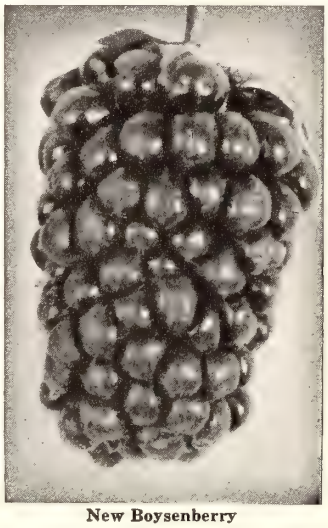
Thompson's Seedless—Popular seedless raisin grape.

Prices, all Grapes except where noted—2-year stock, each, 35c; 10, $2.50; 50, $8.00; 100, $14.00.

Boysenberry *ikN*

The Greatest Vine Berry Yet Developed—"From an acre of Boysenberries 11,500 lbs. were produced." It has a distinctive luscious flavor of its own. The finest berry you have ever tasted either fresh, canned, in jams, jellies, or pie. Plant 6 feet apart each way. Price — 5 for $1.00; 10 for $1.65; 100 for $12.00.

NEW THORNLESS BOYSENBERRY—We are unable to supply the thornless variety this year.



New Boysenberry

Blackberries *gkxN*

Early Harvest—Berries uniform, glossy black, very early.

Mersereau—Very productive, sweet, rich, coreless.

Lucretia Dewberries—Fruit very large, superb quality.

Price—5 for 65c; 10 for $1.00; 50, $4.25; 100, $7.50;

Currants *gkNW*

Perfection—Large, bright red; most popular new variety.

Price—Large 2-year-old roots, each, 40c; 10, $3.25; 100, $24.00.

Gooseberries *gkNW*

All varieties of Gooseberries are unavailable this year.

Raspberries (Red Varieties) *gkNX*

Latham—This remarable and very desirable variety is certified absolutely mosaic-free, and acceptable anywhere; berries are large and round, with profitable shipping firmness; color, a brilliant red. Each, 15c; 10, $1.10; 100, $7.00.

Sunrise—This new raspberry has been tested and is highly recommended by the U.S.D.A. Being 10 to 15 days earlier than Latham and of superior quality, it promises to be a valuable commercial berry. The color is dark red when ripe. The berries pick easily, are firm, non-crumbly, fine textured and juicy, with a mild sub-acid flavor and good raspberry aroma. 10 for $2.00; 100 for $12.00.

Taylor—New oblong fruited bright red variety. Very large; ripens a little earlier than Latham. 10 for $1.50; 100, $9.50.

P.-W.'s Colossus Everbearing—The finest everbearing red raspberry to date. It is absolutely hardy and bears prolifically over a long period. Due to its rich brilliant color and remarkable size and flavor, it will not only prove to be a delightful table berry, but it is perfect for canning and will be a money-maker for the commercial grower and a delightful new worthy type for the home garden. Not prepaid, 10 for $2.00; 100 for $12.00.

Raspberries (Black Caps) *gkNX*

Cumberland — Healthy, vigorous, throwing up stout, stocky, well-branched canes; immensely productive of large, firm fruits. Midseason.

Large No. 1 transplants—15c each; 10, $1.20; 100, $8.00.

Strawberries *gkN*

All Strawberry plants will be sent either Parcel Post or Express, according to quantity. Put up uniformly in bunches, 25 plants each.

Marshall—As a large berry for home use, it is peerless. The color is a rich, glossy crimson. 25 plants, $1.00; 100, $2.75; 1000, $20.00.

P.-W.'s New Mammoth — P.-W.'s New Mammoth Everbearing Strawberry is superior in size, color, flavor and yield. Particular advantages in this new strawberry are that the vines are more dwarf, the berries ripen evenly, easier harvested, larger in size and firmer in texture. First ripe berries appear about a week earlier than Mastodon and continue to bear until snow flies. Price—25 plants, $1.20; 100, $3.35; 1000, $25.00.

Strawberry, Marshall Type

PROVED HYBRID CORNS FOR 1944

Sow in drills 3 feet apart, using approximately 15 pounds of seed per acre.

FOR GREATER YIELDS ON FEWER ACRES WITH LESS HELP

Hybrids are superior because of their resistance to drouth, uniformity of growth, stiffness of stalks and increased yields, amounting to as much as 25%.

US 52—Our Main Crop Hybrid

Matures in about 110 days. Plants are very tall and lodge resistant. Ears are large, smooth, somewhat tapering, with 16 to 18 rows of medium depth grain. Adapted over a wide area and an excellent yielder. On good soils, it is a general all-purpose hybrid. U. S. 52 has given the best results in the experiments by the U.S.A.C. at Logan, Utah, with a large number of hybrid corn varieties.

Idaho Grown (packed 100 lbs. per bag)—$14.00 per cwt.

Ohio M15—Our Early Hybrid

A special boon for higher elevations and shorter season areas. It's a heavy yielder and the earliest of the Ohio Hybrids, maturing in 90 to 95 days, producing an abundance of medium sized, deep grained ears, and a wealth of fodder. We believe this is one of the best early producing hybrids on the market today.

Ohio Grown (packed in bushel bags)—Write for prices.

P.-W.'s Utah Hybrid

Medium early maturing (90 to 100 days)—Also a splendid variety for higher elevations or short season areas. **P.-W.'s Utah Hybrid** is the product of a four-way cross (the last being made here in the Rocky Mountains), and combines the better qualities of each of the parent stocks. It is primarily a grain producing type making it especially valuable to dairymen and poultrymen. The well-filled ears each have from 16 to 20 rows of deep yellow medium depth kernels. Price, $13.00 per 100 lbs.

STANDARD OPEN POLLINATED CORNS

Minnesota No. 13—The leading all-round open pollinated variety. A 90-day Yellow Dent corn, acclimated to this area. It is the heaviest producer of the medium early field corns. Plants grow 7 to 8 ft. tall, bearing ears 9 to 10 inches long. Kernels are medium depth and 16 to 18 rows per ear. Yields average about 90 bushels per acre. Makes splended ensilage.

Minnesota No. 13 Extra Early Strain—This early strain has the same characteristics as the regular Minnesota No. 13 except the ears are slightly smaller, the stalks are about one foot shorter and it matures a week to ten days earlier. Since its introduction in 1921 it has become an important variety for sections where shorter seasons prevail.

Pride of the North—Matures in 80 to 90 days. A tall-growing Yellow Dent with luxuriant foliage, and vigorous grower. Ripens early, yielding 75 to 85 bushels per acre. Very fine ensilage as well as for dry corn.

Improved Leaming—100-110 days. It will grow more tonnage to the acre than any other open pollinated variety we know. Leaming makes a very heavy foliage, making it especially good for silage purposes. The ears and kernels are a little larger than Minnesota 13. Produces good yields of grain.

Squaw Flint—A very dwarf variety bearing kernels of several colors. It is extremely early and especially useful for feeding hogs in the field.

Hybrid U. S. 52

Prices of Corn

f.o.b. Salt Lake City

	10-25 lbs. per lb.	25-99 lbs. per lb.	Bag Lots 100 lbs.
Minnesota No. 13	.09½	.08	$7.00
Extra Early Minn. 13	.09½	.08	7.00
Improved Leaming	.09½	.08	7.00
Pride of the North	.09½	.08	7.00
Squaw Flint	.10½	.09	8.00

ABOUT PRICES—Since the market changes rapidly on Field seeds, the prices quoted herein are subject to change without notice. You are safe, however, in sending remittance according to these published prices. In case of decline the difference will be promptly refunded; if there has been an advance, you will be notified for your confirmation before shipment.

Plant More Corn for Dairy Cows

We suggest planting extra acreage of green fodder Corn for a food supplement during hot dry weather when pastures are not producing sufficiently. The larger remaining part of the crop matured and prepared as ensilage of course has the greater amount of actual food value for winter feeding.

Our varieties of field corn are adapted to Rocky Mountain climatic conditions and will give complete satisfaction. There is a corn to suit your season and requirements in either the open pollinated or the Hybrid class.

FOOD WILL WIN THE WAR AND WRITE THE PEACE

Barley

Trebi—An excellent feed variety, recommended for the irrigated lands of the Rocky Mountain area, heavy yielder. Where grown under irrigation, it qualifies as a malt barley. Write for prices.

Velvon—This new high yielding variety was released for planting in 1937. It is highly resistant to covered smut and has a smooth awn, which greatly increases its value as a feed. Velvon has the desired large, plump, white-colored kernels, the yield generally surpassing other varieties. Write for prices.

Oats

Swedish Select—This variety has long been the standard oat grown in this area. The grain is plump, white, and very heavy. The quality of the oats produced in the Rocky Mountains is unsurpassed. Write for prices.

Uton—This new variety was released for commercial growing in 1938. It is a cross between Swedish Select and Markton, having the white kernel of Swedish Select and the stiff straw and smut resistance of Markton. It is a high yielding variety, being well adapted to Western climatic and soil conditions. Write for prices.

Rye

Spring Rye is an excellent soiler and can be produced on poor, worn-out land under dry conditions where other grains woud fail. Makes early pasture and may be cut and cured for hay. When sown with vetch, its value for pasture and hay is greatly enhanced. **$4.00 per cwt.**

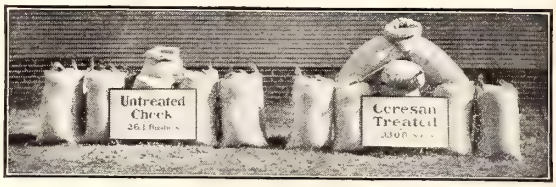
Michel's Rye—Its superior characteristics are winter hardiness, good strong straw, and high yields. In nearly all cases the early plantings at the rate of 10 to 15 pounds of seed to the acre produced the highest seed yield regardless of the type of land. On account of its large rye-like seed, it is easily established, makes an early and abundant spring growth, produces a palatable feed, is easily handled as a seed crop, and can be harvested with a binder or combine. **$6.00 per cwt.**, f.o.b. Salt Lake City.

Spring Wheat

Dicklow—Is a late maturing spring wheat. The kernels are soft and somewhat flattened. It has outyielded all other varieties except Federation on the irrigated lands of Southern Idaho and Northern Utah. This grain is in demand by millers for making biscuit and pastry flour. Write for prices.

Federation—Is a short, fairly early spring wheat. The kernels are white, rather short, and usually soft. Federation is less subject to lodging than Dicklow. It has replaced almost all spring varieties in this area. Write for prices.

A field of Michel's Rye



NEW IMPROVED CERESAN — This economical ethyl mercury phosphate dry disinfectant usually controls certain smuts and other diseases carried on seed barley, oats, rye, wheat, sorghums, millets, flax, peas.

1-lb. can	$ .80
4-lb. can	2.70
25-lb. pail	15.00

½ ounce treats a bushel

About Prices

Due to unsettled market conditions on grain, we are unable to quote prices.

From time to time we will be sending our customers special **Field Seed Lists** to correct changes in market prices. If you are not receiving them, please inform us.

CYCLONE SEED SOWER

A good large sower that meets the most exacting demands. Hangs by strap over shoulders of operator. Hopper-sack has 1½ bu. capacity. Broadcasts evenly all varieties of grain and grasses. Wt., 4 lbs.

Price—Each, $2.75. If by mail, add 25c ex. for post.

A field of Swedish Select Oats

Field Peas

Austrian Winter Peas—This variety is very hardy and should be sown early in the spring. Plants are very viney and generally similar to other varieties of field peas. The forage is of high nutritive value, very palatable, and can be utilized in practically any fresh or cured condition. Sow 75 to 100 pounds per acre.

Canadian Field—They enrich the soil and are splendid stock feed. For hay, they should be cut while the milk is in the vine forming the pod. Plant early in the Spring at the rate of 100-120 lbs. per acre or 60 lbs. with a nurser crop of Oats or Spring Rye.

Millet

Early Fortune or Red Hog—This seed is of a shiny reddish brown. The heads are compact. It is ready to harvest in 50 to 60 days.

Golden or German—This is one of the best varieties for hay and fodder. It makes rapid, vigorous growth, often yielding 3 to 5 tons of hay per acre, on good rich soil. It grows 4 to 5 feet high, is of rather coarse appearance, and should be cut for hay before it is in full bloom. At this stage, the hay is of the best quality.

Yellow Hog—This is the most popular of the Proso type Millets, very valuable for late planting and as an emergency crop after others have failed. Hog Millet is mainly a grain crop; but has the advantage of the grain ripening while the stems are still green, which if cut at the proper time can be threshed for grain while the hay is of a good quality for feeding purposes.

Rape

Dwarf Essex—Pasture for hogs, sheep, and poultry. Sow 10 lbs. per acre. There is a need for an extra thick growing green forage crop for use any time during the Fall, Winter, and Spring, and our Dwarf Essex Rape fills that need exactly.

Soy Beans

Bansei—See page 5.

Illini—It is outstanding for all purposes—hay, feed, hogging down, as well as for planting with corn for the silo. Excellent yields of hay or a large crop of beans. A good average crop will produce 20 to 30 bushels of beans per acre. Illini is a robust grower of vines which stand up well and are easily cut with corn or grain binder. This variety matures in about 100 days.

Dry Land Grain Sorghums

60-Day Milo—Is a Sorghum similar to Kaffir Corn. Grows erect with thick, close-jointed stalks 4 to 9 in. tall. The large heads give a heavy yield of grain. It is drought-resistant and does well on alkali soils.

Sweet Sorghums

Atlas Sorgo—Is one of the highest yielding forage crops grown. Produces as much as 25 tons of silage per acre, extremely drought-resistant, and is relished by livestock. It produces a long, leafy stalk, sweet and juicy, with a good grain head.

Black Amber Cane—80 to 100 days. Is the best known Sorgo and in many sections is the favorite because it is the earliest.

Red Ribbon Cane—Similar to Black Amber Cane in habit and season. Used chiefly for Molasses production in sections of comparatively long season.

Sunflower

Grey Stripe—A good silage crop for dry land. They may be sown early or late as they grow rapidly. The silage is very palatable and has high feeding value. Cultivate and handle similar to corn. Plant 5 to 6 lbs. per acre.

Sudan Grass

Drill 15 to 20 lbs. or broadcast 25 lbs. per acre for pasture. **It will endure much alkali.** Planted in rich soil in June, it will be ready to pasture in 30 days. It will furnish grazing for two cows per acre throughout the Summer. As a hay crop, it should be cut when heads appear. It takes several days of ideal weather to cure. A second crop may be cut or pastured if preferred. All kinds of livestock relish Sudan Grass—it has a sweet taste.

Vetch

Common—Is grown as a hay and seed crop, as well as for green manure, silage, and pasturage. It should be used far more extensively for orchardists as a cover and green manure crop. Sow 60-80 lbs. per acre.

INOCULATE ALL LEGUME SEEDS WITH

NITRAGIN

1898—FORTY-SIX YEARS OF SERVICE—1944

When ordering, Always state name of seed.

ALFALFA
Swt., Bur, Hubam Clovers
Size Retail
1 bu. each...$ .50
2½ bu. each... 1.00

CLOVERS
Medium & Mammoth Red, Alsike, Crimson & White Clovers
1 bu. each...$ .50
2½ bu. each... 1.00

LESPEDEZA
100 lb. size (Inoculates up to 100 lbs.) ..$ .50

PEAS (All Varieties)
VETCHES (All Varieties)
100 lb. size (Inoculates up to 100 lbs.) ea.$ .50
1200 lb. size ea.. 5.70
(12-100 lb. cans)

LUPINES (All Varieties)

SOYBEANS
Size Retail
Small, (Inoculates up to 120 lbs. seed) $ .30
5 bu. each..... .55
25 bu. each..... 2.50
(One can)
30 bu. each..... 3.25
(6-5 bu. cans)

BEANS—Navy, Pinto, String, Wax, Kidney
1 bu. each .....$ .35

PEANUTS, LIMA BEANS, COW PEAS
Small, (Inoculates up to 120 lbs. seed) $ .30
5 bu. each..... .55
25 bu. each..... 2.50
(One can)
30 bu. each..... 3.25
(6-5 bu. cans)

100 lb. size (Inoculates up to 100 lbs. seed) **ea. $ .50**
GARDEN SIZE—Peas, Beans, Sweet Peas, Lupines
Enough for 8 lbs. seed — Retail Price 10c each

ASK FOR P.-W.'s FREE BULLETIN ON FARM AND FORAGE SEEDS—This contains authentic, dependable information on the value and adaptability of the various Farm and Range Clovers and Grasses, together with the planting and cultural directions.

Prices

f.o.b. Salt Lake City

For less than 10 lbs. add 1c per lb. to the 10 lb. rate	10-24 lbs. per lb.	25-99 lbs. per lb.	Bag lots 100 lbs.
Austrian Winter Peas	.11	.10	$ 9.25
Canadian Field Peas	.11	.10	9.25
Golden Millet	.09	.08	7.25
Yellow Hog Millet	.08½	.07½	6.50
Early Fortune Millet	.09	.08	6.75
Dwarf Essex Rape	.16	.15	14.00
Soy Beans Illini	.13	.12	10.75
Sudan Grass	.17	.16	15.00
Sunflower Grey Stripe	.20½	.19½	18.50
Common Spring Vetch	.15	.14	13.00
60-day Milo	.09½	.08½	7.50
Atlas Sorgo	.11	.10	8.75
Black Amber Cane	.09	.08	6.75
Red Ribbon Cane	.09	.08	6.75

About Prices

Since the market changes rapidly on all Farm and Field seeds, the prices quoted herein are those prevailing at the time of going to press and are subject to change without notice. You are safe, however, in sending remittance according to these published prices. In case of decline the difference will be promptly refunded; if there has been an advance, you will be notified for your confirmation before shipment is made.

A Field of Sudan Grass

ALFALFA (LUCERNE)—WONDER CROP OF THE WEST

Crop of Alfalfa Hay

HARDY DESERT — This splendid variety is the selection from the far famed Utah Dry Land type, which is a "Northern or hardy strain." It will live and thrive in the most trying arid situations where all others fail. Its roots pierce the soil until moisture is reached, even a depth of twenty or thirty feet has been traced in some dry localities. It produces even under adverse conditions but in favorable situations under irrigation it is a prodigious yielder. Sow 10 to 15 lbs. per acre.

UTAH PIONEER—Placed under certification in 1938. It was selected from two parent fields in Millard County which are known to be at least 60 years old without reseeding or breaking up. Preliminary experimental tests point to its resistance to wilt over Grimm or Common and other hardy varieties.

Blue Tag Grade—Indicates a purity of 99.50% pure.

GRIMM — This variety is especially recommended for shallow soils, those underlaid with hardpan, or where the water table is near the surface. Grimm is an extremely winter hardy variety, its deep set crown and branching root system making it immune to damage from winter and early spring heaving of the ground. The stems and leaves are of somewhat finer and leafier quality than common Alfalfa. It is susceptible to bacterial wilt and is not recommended for areas of severe infestation.

LADAK—Tests at nearly every Northern and Western Experiment Station show Ladak leading on tonnage, long life, drought-resistance, and winter hardiness. It has also shown more resistance to bacterial wilt and aphid attack than any other commercial variety. Ladak makes an exceptionally heavy first and second crop but little third.

Alfalfa Stocks are limited at this publication date. Write us for later market conditions and prices.

CLOVERS FOR MEADOWS AND PASTURES

Alsike—Is recommended both for sowing with Timothy and also with the Red and Mammoth Clovers, as well as a hay crop by itself. It does not winter-kill. The use of Alsike Clover is increasing rapidly; cattle prefer it to other clovers. It is very fine for honey bees. Sow at the rate of six or eight pounds per acre; sown in mixtures, 5 or 6 pounds per acre is sufficient. **Does best on damp soils**—used in pasture mixtures with grasses.

Hubam Clover (Richest honey producing clover)—This is an annual sweet clover which grows rapidly, attaining a height of 6-7 feet. It is very valuable for pasturage and hay when cut before it gets too old. As the flowers are rich in honey, it makes very good bee pasturage. It is also used to great advantage as a cover crop or for green manure. It should be planted in Fall or Spring. Sow 12-15 pounds per acre.

Ladino Clover is regarded as a large form of the common White Dutch Clover and like the latter is a long-lived perennial. Its growth, however, is larger and more luxuriant. When the leaf growth has been grazed off, new leaves develop quickly, complete recovery occurring in 17 to 28 days. It is strictly a crop for irrigation. Sow in Fall or Spring at the rate of 7 to 8 lbs. per acre. **Ladino is not available this year.**

Medium Red (Trifolium Pratense)—Is a dependable, all-around variety for farmers and stockmen. It makes two hay crops each year. Sow either in the Spring or Fall at the rate of 15 pounds to the acre. It is good in pastures either alone or with some grass as a companion crop. Is replacing alfalfa in heavy wilt-infested areas.

Strawberry Clover (Tall Variety)—It is similar to Ladino but has proved to be much hardier. The flower resembles White Dutch Clover, but is pink. The foliage is similar to White Dutch, having creeping runners, strawberry fashion, establishing new plants wherever the nodes contact the soil. **It has proved particularly adaptable to alkaline and wet soils.** Several observations have been made of this clover growing in fields of salt grass pasture. It is much in demand as a pasture crop because of its palatability. Livestock relish it and pass up other clovers and grasses wherever Strawberry Clover is available. Sow 4-6 pounds per acre.

White Dutch Clover—Is a long-lived perennial legume, spreading by creeping stems that root at the nodes. When grown in mixtures with grass, it increases the carrying capacity of the pasture and provides a nutritious acid palatable feed. White Clover, like all other clovers, thrives best under cool moist growing conditions.

SWEET CLOVER

White Blossom (Melilotus Alba)—Its value in the redemption of alkali lands cannot be over-estimated. It grows in a variety of soils—heavy, light, wet or dry, almost anywhere, except in acid soil. Sow 10 to 14 lbs. per acre. It is often used for a green manure crop because of its quick prolific growth.

Yellow Blossom (Melilotus Officinalis)—It is finer in the stalk and more palatable when mature than White Blossom Sweet, and has the same soil adaptation. Its refinement of stalk and palatability make it a good pasture and hay crop.

Clover Seed Prices

f.o.b. Salt Lake City

On orders for less than 10 lbs. add 1c per lb. to the 10 lb. rate

	10-24 lbs. per lb.	25-99 lbs. per lb.	Bag lots 100 lbs.
Alsike (99.25+ pure)	.44	.43	$42.00
Alsike (97. pure)	.41½	.40½	39.50
Hubam (fancy grade)	.25	.24	23.00
Ladino (fancy grade)	—	—	——
Medium Red (99.40 pure)	.46½	.45½	44.50
Strawberry (extra fancy)	.90	—	——
Strawberry (choice)	—	—	——
Sweet White Blossom	.20	.19	18.00
Sweet Yellow Blossom	.20	.19	18.00
White Dutch (99+ pure)	.82	.81	80.00
White Dutch 52%, Alsike 48% Comb.	.52	.51	50.00

. . . BETTER PASTURES FEED MORE CATTLE

MORE DAIRY PRODUCTS NEEDED

This year, with still greater demands for dairy products, the government urges Intermountain Farmers to cooperate in the national effort to produce more food. Naturally this program will require increased quantities of feed for livestock.

The greatest opportunity for increasing the supply of livestock feed lies in the development of more and better pastures. The agronomists and dairy experts of the Utah State Agricultural College at Logan agree that **"the net returns from a well-managed pasture carrying high-producing herds probably cannot be exceeded by any other farm crop and furthermore there is no land in the intermountain area that is too valuable for pastures."**

The experts further emphasize that outstanding results can be achieved only on **"Well Managed Pastures."**

A well-managed pasture for dairy cows.

HELPFUL RULES FOR PASTURE MANAGEMENT

1. Use only clean seed of high germination.
2. Fall plow land and work down in spring in firm, moist condition.
3. Sow the seed to a depth of ½ to ¾ inches (drilling is preferred).
4. It is safer not to use a nurse crop. If one is used, we recommend Barley at ½ the usual rate.
5. Keep young plants well irrigated.
6. Do not graze the first year until mid-July or later.
7. Avoid over-grazing by dividing pasture land into several practical sections and follow a rotation system of grazing.
8. Pastures should be fertilized with from 100 to 150 pounds of phosphate per acre every other year and 10 tons of manure per acre every third year.
9. Pastures should be harrowed both ways in early spring and late fall when droppings are soaked to prevent bunching of unpalatable forage the next year.
10. When bunches of unpalatable forage and weeds appear, pastures should be clipped with a mower.
11. Properly irrigated pastures need not consume more water than other irrigated crops.

We recommend these proven mixtures, each developed to suit a different soil and moisture condition. If one of these does not meet your requirements we will be pleased to consider your particular problem and recommend a special formula.

No. 1. For good well-drained irrigated land.

	Amount
Smooth Brome grass	4 lbs.
Orchard grass	3
Meadow fescue	4
Perennial rye-grass	3
Kentucky blue-grass	4
White clover	3
Alsike clover	2
Total per acre	23 lbs.

No. 2. For damp, fertile soils.

	Amount
Red top	3 lbs.
Meadow fescue	4
Perennial rye-grass	4
White clover	2
Alsike clover	4
Kentucky blue-grass	3
Total per acre	20 lbs.

No. 3. For damp, slightly alkali soils.

	Amount
Perennial rye-grass	3 lbs.
Meadow fescue	4
Orchard grass	4
White Dutch clover	2
Red clover	3
Yellow sweet clover	3
Smooth brome grass	3
Total per acre	22 lbs.

No. 4. For wet alkali soils.

	Amount
Perennial rye-grass	3 lbs.
Strawberry clover	2
Reed canary grass	3
White sweet clover	3
Meadow fescue	3
Smooth brome grass	3
Total per acre	17 lbs.

No. 5. For bench land with irrigation water.

	Amount
Smooth brome grass	4 lbs.
Orchard grass	3
Kentucky blue-grass	5
White Dutch clover	2
Alsike clover	2
Yellow sweet clover	2
Alfalfa	2
Total per acre	20 lbs.

No. 6. For dry farms.
(Unable to mix this year)

	Amount
Slender wheat	4 lbs.
Crested wheat	4
Western wheat	5
Total per acre	13 lbs.

More Profits for Beef and Lamb Feeders

A recent scientific experiment proved that three times as many pounds of beef per acre can be produced on range pastures using grass and Legume mixtures than on grasses alone.

These range pastures are ready to graze earlier in the Spring and have **2 to 3 times the carrying capacity** throughout the summer.

Pasture fattening requires much less labor than dry lot feeding and gives very satisfactory daily gains.

The experiments which established these facts were conducted by the State College Agricultural Experiment Station at Pullman, Washington. We suggest that you write them for a copy of Circular No. 13 which gives a detailed report on this very successful new system of handling feeder livestock.

PASTURE MIXTURE No. 7

For range land for fattening feeder cattle and lambs.

	Amount
Mountain Brome Grass	3 lbs.
Smooth Brome Grass	4
Crested Wheat Grass	4
Yellow Sweet Clover	4
Total per acre	15 lbs.

Pasture Mixture Prices

f.o.b. Salt Lake City

On orders for less than 10 lbs. add 1c per lb. to the 10 lb. rate	10-24 lbs. per lb.	25-99 lbs. per lb.	Bag lots 100 lbs.
No. 1 as above	.41	.40	$39.00
No. 2 as above	.39	.38	37.00
No. 3 as above	.39	.38	37.00
No. 4 as above	.34½	.33½	32.50
No. 5 as above	.40	.39	38.00
No. 6 as above	—	—	—
No. 7 as above	.25	.24	23.00

GRASS

For Range, Meadow and Pasture

A snapshot taken at our trial grounds at Centerville, shows Rodney Porter, foreman of our wholesale department, standing in Brome Grass with two rows of Crested Wheat in foreground.

Mountain Brome (Bromus Marginatus)

Is a stout perennial bunchgrass, very common between the altitudes of about 5,000 and 10,000 feet. It has a very wide range of soil adaptations, varying from fairly moist loamy soils, where the best growth is made, to fairly dry, gravelly soils. Mountain Brome Grass, when young, is grazed closely by all classes of livestock. Where it can be cut for hay, it makes a very fine feed for horses and cattle.

It is an exceptional grass for the reclamation of land inaccessible to farm machinery, as good stands may be obtained by broadcasting on areas where seedbed preparation is not possible. Sow either Spring or Fall at the rate of 10 to 20 pounds per acre.

Smooth Brome Grass (Bromus Inermis)

This is one of the oustanding grasses for the Intermountain area, being well adapted to arid regions where rainfall is relatively low. It is the most palatable of all the important grasses, even surpassing the well-known Kentucky Blue Grass in this respect. Smooth Brome is a long-lived perennial with numerous creeping root stalks which form a dense heavy sod, making it capable of standing much abuse as a pasture grass. Brome thrives especially well on a rich, loamy soil; but in the wild state it grows in dry, gravelly soils, or even in pure sand. Recent experiments have shown it to succeed in alkali soils.

The stems attain a height of from two to three feet. Two cuttings of hay are most generally obtained in a season, yields ranging from one to four tons per acre. After the third or fourth year Brome often becomes sod bound. This condition may be overcome by discing or shallow plowing. Brome can be sown either in Spring or Fall, preferably on a well prepared, firm seedbed at the rate of 10 to 20 pounds per acre. Drilling is preferable to broadcasting, wherever possible.

Indian Rice Grass

Very drouth resistant. The Government has used large quantities of this variety in its dry land range reseeding program.

Kentucky Blue Grass

One of the best pasture grasses. It begins growth early and remains green very late in the fall. It is extremely resistant to cold. Kentucky Blue Grass does best on well drained loams and clay soils rich in humus. Sow 30 pounds per acre.

Meadow Fescue

An excellent grass for pasturage when planted alone or in combination with other grasses and clovers. It is a tufted, deep rooted, long-lived perennial, growing to a height of 15 to 30 inches. The leaves are bright green and very succulent, supplying palatable forage from early spring until late in the fall. On wet, alkali soils, few grasses are equal to Meadow Fescue. Yields average two tons per acre. Sow in the Spring or Fall at the rate of 20 to 30 pounds per acre.

Orchard Grass (Dactylis glomerata)

This is a very early pasture grass, furnishing feed at least three weeks before most other grasses. Even after close grazing, a ten-day interval is sufficient for another growth. It makes a heavy sod and gives splendid pasture until late in the Fall. Withstands drought and is very hardy; well suited for shaded places such as in orchards or groves. It grows in tufts and can be sown, if desired, with Red Clover and Alfalfa. When planted alone, sow at the rate of 20-25 pounds per acre.

Perennial Rye Grass

This is a most desirable grass for pastures. Its chief value being as an ingredient for permanent pasture mixtures. It forms a close, heavy sod and recovers quickly after being grazed. The value of this grass on alkali soils cannot be over-emphasized. Perennial rye attains a height of 1½ to 2 feet, the blades are narrow. It is a rapid grower, establishing itself very quickly. The hay should be cut in the full-bloom stage. When seeded alone, sow at the rate of 20 to 25 pounds per acre in a well prepared, firm seedbed.

Poa Bulbosa (Bulbous Bluegrass)

A perennial grass which is one of the earliest available for pasturage. It makes excellent pasture either alone or when sown with alfalfa. It is often used to thicken up thin alfalfa stands, and when cut before it is too old, makes an excellent hay. This grass is relished by all kinds of livestock and has proven to be a very valuable feed for range cattle, sheep, horses, and other livestock.

Crested Wheat Grass (Agropyron cristatum)

It is a wonderful ranch and range grass which grows earlier in the Spring and later in the Fall because of its ability to grow at lower temperatures. As a hay crop, it is very highly nutritious and palatable, stands well under grazing. It has made a most remarkable showing under dry, arid conditions, succeeding where many other varieties fail. Crested Wheat is a long-lived grass. Fields 20 years old are still doing well. It is relished by livestock and adapts itself to a wide range of soils. For hay and pasture, sow 10 pounds per acre.

SEED—
Critically Grown Seed of Highest Germination and Purity

The above snapshot shows a section of the ranch producing our Mountain Brome Grass Seed. Important is the row cultivation which insures weed-free seed of finest quality.

Sand Drop Grass

Native of the Great Plains and especially adapted to dry sandy soils. It is one of the hardiest and most drouth resistant grasses used in the Rocky Mountains. The plant resembles Timothy, but is coarser and the head is shorter. It reseeds very prolifically.

Slender Wheat Grass

This is a native North American bunch grass, which has proved very valuable under cultivation. It is a bunch forming variety, being better adapted to range land than meadows; however, recent tests are proving its value as a grass for alkali soils. It is recommended for pastures in canyons or flats, succeeding exceptionally well at high elevations. It grows in dry, arid sections, producing numerous slender, erect stems, two to four feet high, with narrow, flat leaves. Sow either Fall or Spring at the rate of 5 to 15 pounds per acre.

Western Wheat Grass

Western Wheat Grass is a native long-lived perennial grass which is found on most of our natural ranges. The entire plant of Western Wheat is blue-green in color. It is erect in growth and forms firm, solid turf even where moisture is limited. Its heavy spreading root system makes it a most valuable plant for erosion control. As forage, it is grazed with relish throughout the year by all classes of livestock. Western Wheat grows in a great variety of soils, including alkali land. Sow either Spring or Fall at the rate of 10 to 15 pounds per acre.

Red Top

A valuable grass for moist soils. It makes a good permanent stand and is well adapted to pastures. It has been grown very successfully even on alkali and bottom land where many other grasses have failed. It is used also as a lawn gass as it makes a fine stem and good turf. Sow 15-25 pounds per acre.

Snapshot taken at our Centerville Trial Grounds showing Meadow Fescue on the left and Reed Canary Grass on the right.

Reed Canary Grass (Phalaris arundinacea)

This is a valuable high-yielding forage plant which is naturally adapted to grow on low, wet lands. As a permanent source of high quality hay and good pasturage. For hay, cut as soon as the head begins to appear. Two or three crops of hay and some fall pasture may be obtained by such a practice. Everyone with moist and boggy soils should give this excellent grass a trial. Sow it at the rate of 5 to 6 pounds per acre, broadcast and in drill, 2 to 3 pounds per acre in 16 to 18 inch rows.

Sudan Grass

See page 71.

Tall Meadow Oat Grass

Is a long-lived, deep-rooted perennial bunch grass, fairly drought-resistant and produces an abundance of forage early in the spring.

Timothy

Of hay grasses, Timothy leads all. Thrives on clay or heavy loams, wet or boggy soils, or in mountainous districts. At higher elevations where fewer grasses and clovers are adaptable, Timothy is the most important hay and pasture crop. Alone, sow 12 pounds to the acre, or with clover, 10 pounds Timothy and 6 pounds clover.

Western Alkali Grass

This grass will make your alkali lands productive. We have reports from growers stating it has produced, on alkali ground, useless for other crops, yields equal to that of Timothy grown on first class Timothy land. It will stand an unlimited amount of water in the spring and has successfully resisted severe drought. Seeding can be made beginning in September and continuing as long as snow covers the ground in the Spring. Sow 2 pounds per acre for meadow or pasture.

Grass Seed Prices

f.o.b. Salt Lake City

For less than 10 lbs. add 1c per lb. to the 10 lb. rate	10-24 lbs. per lb.	25-99 lbs. per lb.	Bag lots 100 lbs.
Brome Grass, Mountain	.30	.29	$28.00
Brome Grass, Smooth	.23	.22	21.00
Crested Wheat	.23½	.22½	21.50
Indian Rice Grass	.80	.79	78.00
Kentucky Blue (Meadow Grade)	.35½	.34½	33.50
Meadow Fescue	.38	.37	36.00
Orchard Grass	.46	.45	44.00
Perennial Rye (Certified)	.27	.26	25.00
Poa Bulbosa	.26	.25	24.00
Red Top (99.50 Pure)	.24½	.23½	22.50
Red Top (92. Pure)	.23	.22	21.00
Reed Canary	.43½	.42½	41.50
Sand Drop Grass	.34	.33	32.00
Slender Wheat	.20	.19	18.00
Tall Meadow Oat	.39½	.38½	37.50
Timothy (99.50 Pure)	.14	.13	12.00
Timothy (98.45 Pure)	.13½	.12½	11.50
Western Alkali	.80	—	—
Western Wheat	—	—	—

HANDY SUBJECT INDEX

It's easy to find what you wish. Suppose you want something in Flower Seed—Petunias for instance. Looking under this Index, you find Flower Seeds are on pages 19-34. Being alphabetically arranged, you easily locate Petunias on page 28.

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		Horse Radish	10	Rhubarb	16		

BIRDS - CAGES - PET SUPPLIES - REMEDIES - DOG FOODS - COLLARS

At our Salt Lake City Store we carry these stocks as well as **Poultry Supplies and Garden Tools and Accessories.** Write for information and prices.

Special Service Facilities for Motor Customers

We invite your personal visit to either our CENTERVILLE Nurseries and Display Gardens (see below) or to our City Sales Yard and Modernized Storage Warehouses at 522-536 South 3rd West, Salt Lake City (see below). Plenty of Free Parking Space and Courteous, Experienced Sales Staff to help you solve your Garden Problems.

FAIR DEALING AND RELIABILITY

Thirty-nine years of experience and fair dealing and the largest stocks in the Mountain States are back of every transaction. Our patrons' satisfaction and good will are among our most valuable assets. As always our aim is to render better service, to maintain and improve quality, and to increase our production. We are as near to you as your post office or express station. Your mail orders, through a new system adopted in our office, will be filled more promptly than ever before.

In case you are dissatisfied in any way with the results of our seeds, you have only to tell us and we will authorize you to select from our catalog whatever you wish to the amount of an equable adjustment.

***We can assume no liability for the crop**—as we cannot control the weather, soils, moisture, pests and other agents which make for success or failure. We sell, therefore, subject to the following disclaimer: "We give no warranty, express or implied, as to productiveness of any seeds, plants, or bulbs we sell and we will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seed, plants, or bulbs."—P.-W. Co.*

About Warranty and Guarantee on Nursery Stock

We warrant stock true to name as labeled, to the extent only that if any should prove otherwise, we will replace free or refund purchase price; also we guarantee delivery in good and proper transplanting condition. Any claim for error, damage, or omission must be made immediately upon receipt of shipment, and proper adjustment will be made promptly. *Responsibility rests with all customers to examine carefully upon arrival as we can assume no liability for failure to grow* after nursery stock has been accepted and planted.

General Office and City Store, corner Richards Street and First South.

Seed and Nursery Warehouses, 522 South 3rd West, Salt Lake City.

CULTURAL INFORMATION and use of FLOWERS - VINES - SHRUBS - TREES

This is the key to the small and capital letters immediately following the family or variety names. These quick reference tables contain the additional information which you may need for intelligent selection and placement of the splendid array of planting materials offered in this catalog.

Classification and Hardiness

(Based on climatic conditions in the Salt Lake Valley and similar areas.)

a—Plants that produce their flowers from seed the first year but do not survive the winter.

b—Plants that rarely produce flowers from seed until the second year and then die.

c—Plants that rarely flower from seed until the second year, but flower in season thereafter.

d—Bulbous herbaceous or tuberous rooted plants that are winter hardy without protection.

e—Bulbous herbaceous or tuberous rooted plants that need winter protection.

f—Bulbous or tuberous rooted plants that must be lifted and given frost-proof storage during winter.

g—Vines, shrubs, or trees that are hardy everywhere. (Including higher altitudes.)

h—Vines, shrubs, or trees that are hardy in the Salt Lake Valley but need winter protection in higher altitudes and colder sections.

i—Vines, shrubs or trees that need slight winter protection or sheltered situation in Salt Lake Valley and not recommended for colder areas.

Location (Conditions Most Favorable)

j—Very adaptable—does well in full sun to part shade and any good average soil condition.
k—Likes full sun.
l—Will tolerate full shade.
m—Does well in dry situations.
n—Does well in wet situations.
o—Prefers a cool, moist situation.

General Utility or useful for:

p—Hedges.
q—Ground cover or carpeting plants.
r—Cut flowers.
s—Bedding and massing.
t—Backgrounds or screening.
u—Dwarf border, edgings, rock gardens.

Special Utility - useful for:

v—Refined lawn groups.
w—Window, porch box, or urns.
x—Banks and steep slopes.
y—Parking or shade.
z—House plant.

Time and Duration of Bloom

A—Late winter and early spring.
B—Late spring and early summer.
C—Late summer and early fall.
D—Fall until winter.
E—Winter fruit or berries.
F—Continuous bloom throughout season.

Seed Planting Information

How Deep—The proper depth is very important. As a general rule, large seeds should be covered 4 or 5 times their diameter, medium and small seeds accordingly. Very fine seeds should be merely pressed into the soil, firming the soil well over them. Soil should always be well pulverized to receive the seed and kept thoroughly moist after seed has been planted.

G—Sow seed where plants are to grow in early spring or late fall just before the ground freezes.
H—Sow seed where plants are to grow in middle or late spring; past frost danger when plants appear above ground.
I—Sow seed for succession during spring and early summer.
J—Sow seed in early spring, mid-summer, or fall in well-prepared bed and transplant seedlings where they are to grow.
K—Sow inside in flats, pots, or boxes in late winter or early spring, transplant to the garden when frost danger is over.
L—Sow in hotbed or cold frame in early spring.
M—Seed needs chilling before proper germination can be secured. Sow, therefore, in late fall in beds or open ground.

Soil Requirements and Preferences

N—Of easiest culture for the beginner and does well in the average garden soil.
O—Tolerant of alkaline soils.
P—Prefers neutral or slightly alkaline soil.
Q—Prefers acid reacting soil.
R—Does well in poor soil.
S—Thrives best in well-enriched soil.
T—Likes heavy, clay soil.
U—Likes light, well-drained soil.

Pruning Requirements

V—Prune heavily when planted.
W—Require little pruning or thinning after planting.
X—Require heavy pruning in late winter or early spring only.
Y—Annually immediately after flowering.
Z—Shear in spring before new growth starts or in late summer just before the season growth stops.

SUGGESTIONS ABOUT ORDERING

A self-addressed En-Vo-Blank is enclosed for your convenience in making up your order. Extras will be gladly furnished on request. **Orders will not be accepted for less than one dollar value unless accompanied by 25 cents additional for service charge.** Twenty-five percent down payment is required with orders requesting C.O.D. shipment. Please sign your order as Mr., Mrs., or Miss (married ladies use husbands' initials). This will help improve our service as well as that of the shipping agency.

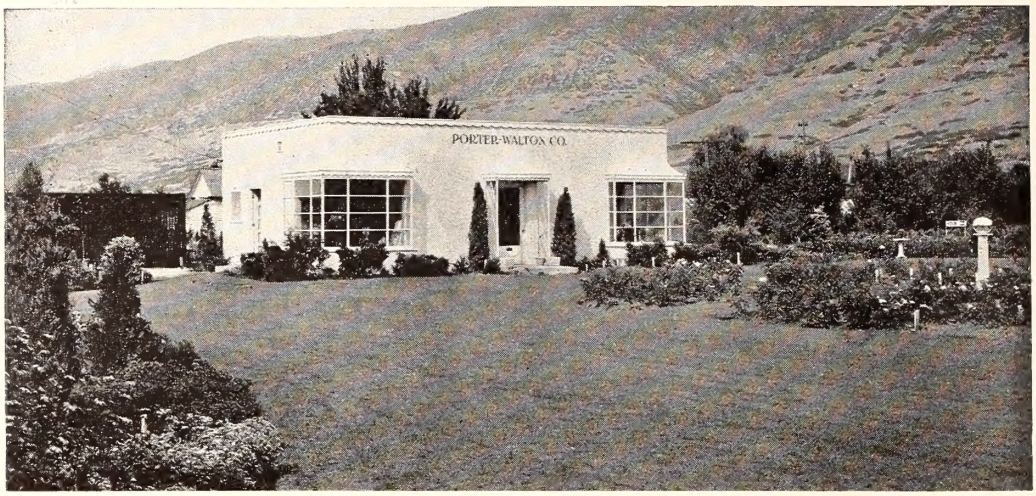
Parcel Post Zone Rates

Many items in this catalog are prepaid, however, on those quoted f.o.b. Salt Lake City the following postal information will be helpful.

Zone	First lb.	Each lb. Additional	Zone	First lb.	Each lb. Additional
1st—Up to 50 miles	8c	1.1c	5th—From 600 to 1,000 miles	11c	5.3c
2nd—From 50 to 150 miles	8c	1.1c	6th—From 1,000 to 1,400 miles	12c	7c
3rd—From 150 to 300 miles	9c	2c	7th—From 1,400 to 1,800 miles	14c	9c
4th—From 300 to 600 miles	10c	3.5c	8th—All over 1,800 miles	15c	11c

The Maximum Weight allowable is 70 pounds. The size of the parcel must not exceed 100 inches for combined length and girth. Larger or heavier packages must go by express or by rail or motor freight.

PORTER-WALTON'S DEPENDABLE LAWN SEED



The above shows the quick development of P.-W.'s Velvet Green Mixture. The photograph was taken at our Centerville Display Gardens, just six weeks after the seed was sown.

LAWN MIXTURE

P.-W.'s "Green Lawn" Mixtures

We are especially proud of these lawn mixtures. They are composed of the pure seeds of those fine-leaved and deep-rooted permanent grasses best suited for residence lawns. These famous mixtures contain White Dutch Clover in proportions as follows:

VELVET GREEN—Contains 15% clover. Not prepaid, **lb., 65c; 10 lbs., $6.00; 25 lbs., $13.75.**

EVER GREEN—Contains 5% clover. Not prepaid. **lb., 55c; 10 lbs., $5.00; 25 lbs., $11.25.**

P.-W.'s "GREEN LAWN" MIXTURES

Rootone Treated

Many of our customers have expressed great satisfaction with their lawns grown from Rootone treated seeds.

Quicker Germination - Heavier Turf Deeper Stronger Root Growth

Rootone treated lawns give better utilization of fertilizer and water and will crowd out the weeds.

VELVET GREEN (Rootone Treated)
1 lb., 75c; 10 lbs., $7.00; 25 lbs., $16.25.

EVER GREEN (Rootone Treated)
1 lb., 65c; 10 lbs., $6.00; 25 lbs., $13.75.

Shady Nook Mixture

A proven formula which includes varieties which are shade tolerant, together with varieties that do well in full sunlight. The mixture may be used with confidence on both sun and shaded areas, to produce turf of high quality, uniform, springy, and medium green in color. Not prepaid, **lb., 85c; 10 lbs., $8.00; 25 lbs., $18.75.**

Special Bent Mixture

With this mixture you can have a putting green on your own lawn, equal to the best golf greens and there will be no trouble from dandelions and other weeds. Not prepaid, **lb., $1.00; 10 lbs., $9.50.**

P.-W.'s Special Athletic Field Mixture

This is a blend of fine quality grasses of the most suitable varieties. (Clovers not included as it is slippery and dangerous for playing areas.) **5 lbs., $2.50; 10 lbs., $4.50; 25 lbs., $10.00.**

LAWN CLOVER

White Dutch Clover for Lawns

It is the best clover to include in grass mixtures. Advantages are that it grows quickly, forms a close herbage, is resistant to drought, remains green all season, and is helpful to grasses growing with it. Gardeners who prefer heavy clover growth should include 2 oz. to each pound of grass. Not prepaid, **lb., $1.20; 10 lbs., $11.50.**

LAWN GRASSES

Kentucky Blue Grass

(Poa pratensis)

A deep green grass that does well on most types of soil. It continues to grow at low temperatures which keeps your lawn green in spring and autumn. Kentucky Blue is the "backbone" of fine lawn mixtures. It is aggressive and spreads rapidly, making a sod of fine texture.

EXTRA FANCY, 24 lb. grade, triple cleaned, **lb., 55c; 10 lbs., $5.00; 25 lbs., $11.25.**

SUPER FANCY, 28 lb. grade, triple cleaned, **lb., 60c; 10 lbs., $5.50; 25 lbs., $12.50.**

Astoria Bent Grass

(Blue Tag Certified Grade)

Properly cared for, Bent makes a beautiful lawn, discouraging weed growth. It is the true creeping type and forms a very dense sod of beautiful dark green color and stands quite close mowing. **Lb., $1.35; 10 lbs., $12.50.**

Chewings Fescue

Forms a mat-like sod with a pleasing green color. The leaves are fine needle-like, and bristly. It withstands hard wear and extreme drought. Suits almost all soils, especially those of a sandy or gravelly nature. **It is one of the best grasses for shady areas.** Not prepaid, **lb., 95c; 10 lbs., $9.00.**

Creeping Red Fescue

This has bright green, wire-like leaves and creeps by underground stems so that one plant may eventually cover an area of several square feet. Like Chewings Fescue, it is exceptional on sandy or gravelly soils and unexcelled in shade. The turf of the finer strains of Red Fescue are probably the most beautiful of all lawn grasses. Not prepaid, **lb., $1.25; 10 lbs., $11.50.**

Pamphlet, "Lawns—How to Make Them," free with every purchase. Ask for it.

(Above) **FORSYTHIA SPECTABELIS** (Golden Bell)

PHILADELPHUS VIRGINALIS. Everblooming Double Mock Orange

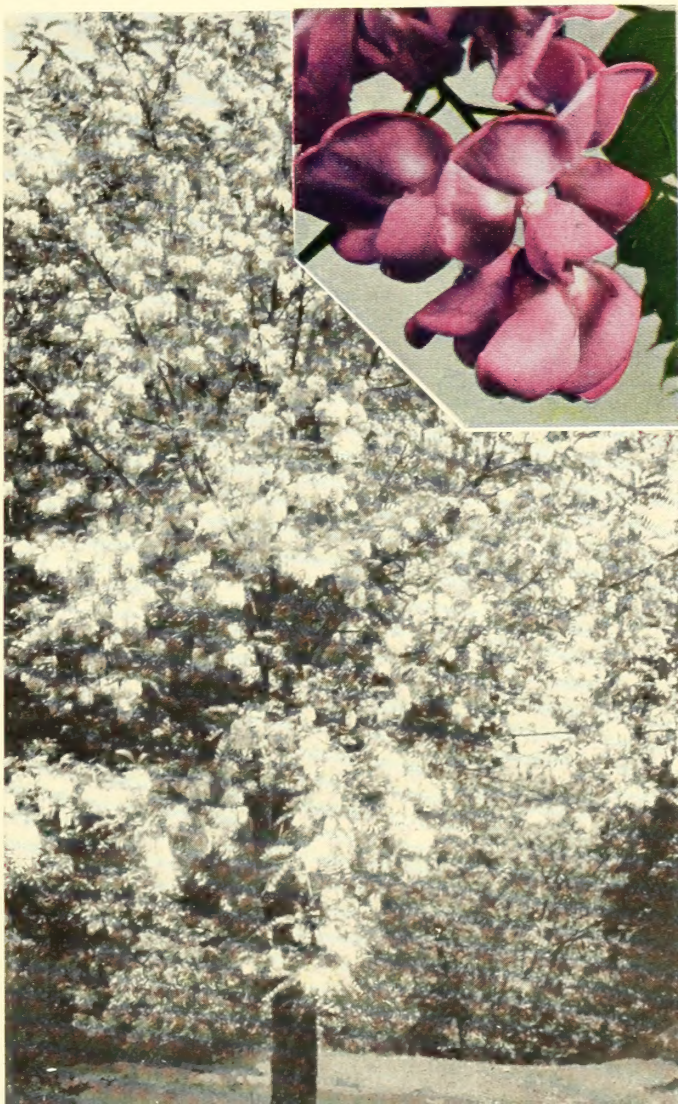
(Below) **DOUBLE FLOWERING ALMOND**

COLLECTION No. 479

Consists of one each of the three beautiful shrubs shown on this page. All size 2-3 feet. (Regular value prepaid $2.40.) All for **$2.00**

P.-W.'s New Hardy ORCHID FLOWERED ACACIA

(At right.) Gorgeous when in flower, beautiful foliage, ardy everywhere. Price, **7-8', $2.75; 8-9', $3.25; 10-12', 3.90.**



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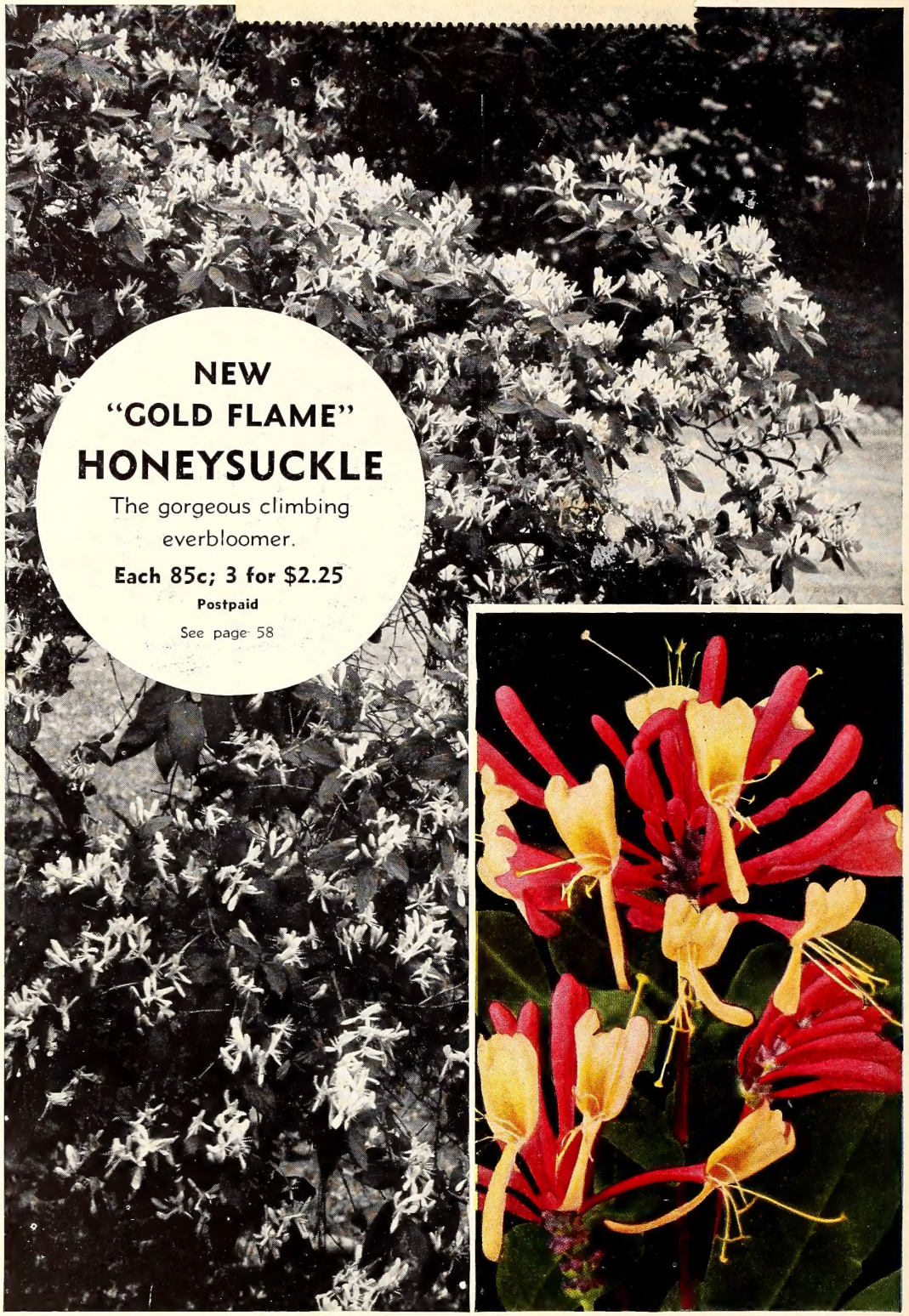

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